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PAY RECORD BOOK, ESTIMATE WORK BOOK AND PARTIAL PAYMENT CROSS REFERENCE SYSTEMS

Examples have been included to assist the Resident Engineer's office in preparing and utilizing pay record books, estimate work books and partial payment cross reference systems.

The format of the examples provided closely simulates pay record and estimate work book entries. These examples document any appropriate information that should be included for each type of pay item. These examples are not mandatory requirements and should be utilized as guides in recording entries involving roadway and structure pay items in pay record and estimate work books. The Resident Engineer and staff should use these examples and good judgment when documenting any pay item.

The partial payment cross reference system included in the examples provides only one way of documenting specific partial payments to the Contractor by item and estimate number. The Resident Engineer should utilize this example and good judgment in documenting and cross referencing all partial payments made to the Contractor. This example system also provides an easy method to track the over/underruns of each individual pay item during the construction of the project.

The following are examples of typical Pay Record Book, Estimate Work Book and Partial Payment Cross Reference System entries:

PAY RECORD BOOK EXAMPLES

PAY RECORD BOOK ENTRY EXAMPLE - OUTSIDE COVER

Contract Number - Required For HiCAMS	C123456	N. C. DEPARTMENT OF TRANSPORTATION
		DIVISION OF HIGHWAYS
Pay Record Book Number Clearly Labeled		PAY RECORD BOOK # 1
		LEVEL BOOK
Transportation Improvement Plan (TIP) Number(s)	R-1234A	
Project Work Order Number(s), County, Description, Pay Record Book, and Total Number of Pay Record Books Clearly Labeled		PROJECT NO <u>WBS 34567.3.1</u>
		<u>PEAVEY</u> COUNTY
		NC 38 FROM I-43 TO HOPE CREEK
Pay Record Book Number Clearly Labeled	PRB #1	BOOK NO <u>1</u> OF <u>23</u>
		<i>Note: This is a red Level Book.</i>

TITLE PAGE

PAY RECORD BOOK ENTRY EXAMPLE

Contract Number - Required For HiCAMS

LEVEL BOOK

C123456

**Project Work Order Number(s),
County, Description, Pay Record Book,
and Total Number of Pay Record Books
Clearly Labeled**

PROJECT NO WBS 34567.3.1

PEAVEY COUNTY

NC 38 FROM I-43 TO HOPE CREEK

BOOK NO 1 OF 23

INDEX

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

PERSONNEL PAGE

PERSONNEL

5

[illegible]

GENERAL NOTES

PAY RECORD BOOK ENTRY EXAMPLE

GENERAL NOTES

6

General Notes:

1. All entries shown on this page should identify unusual conditions or remarks that will not fit into the provided column for the items contained in the particular Pay Record Book.
2. This page should be used to clarify items when completing or checking the Final Estimate Assembly. See **Procedures for Checking the Final Estimate Assembly** in this section of the Manual.
3. Indicate in the **Remarks** column and on the **General Notes** page if there is a change from what is contained in the contract and construction plans.

General Notes for All Pay Record Books:

1. Leave room at the bottom of the each page for a **Page Total** and a Final Estimate Assembly checking notation.
2. When distances between Stations used do not match the pay length recorded in the Pay Record Book, the words "Field Measured" should be placed in the **Remarks** column. This allows the person checking the item to know it was not an error in the calculation of the length.
3. Verify that all materials received on the project are preapproved, tagged, stamped, or checked by the Materials & Tests Unit at the project site. Indicate this in the **Remarks** column, if necessary.

ROADWAY EXAMPLES

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #2 Construction Surveying

LS @ \$150,000.00

8

[illegible]

- I certify that this item was completed
- 8-31-07 in accordance with the terms
- of the contract.

Note: Partial payments are made in accordance with Article 801-3.

Signed: J. M. Resident, PE
Resident Engineer

Checked By: ML7

Date: 11-4-07

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #3 Clearing & Grubbing

LS @ \$125,000.00

9

[illegible]

I certify that this item was completed
12-21-07 in accordance with the terms
of the contract.

Signed: J. M. Resident, PE
Resident Engineer

____ Note: Percentages for payment are determined by the Engineer for each payment estimate period. Refer to contract Special Provisions if applicable.

Checked By:	
-------------	--

MLF Date: 1-22-08

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #4 Supplemental Clearing & Grubbing

1.0 Ac. @ \$2,350.00

11

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #5 Unclassified Excavation

39.436 CY @ \$12.25

19

Notes for Unclassified Excavation:

1. Computations may be shown in Pay Record Books by using the XYZ Method for volume calculation when field measurements are taken. These calculations can also have deductions for pavement removal, if necessary.
2. Original cross-sections should be placed in the Pay Record Books when they are taken. Final cross-sections should be recorded in the Pay Record Books when they are calculated.
3. When cross-sections are taken, they may be calculated by the following procedures:
 - Plotted on cross-section sheets and volumes calculated using the average-end area method.
 - Computed by Photogrammetry with original aerial photogrammetric cross-sections and theoretical final cross-sections provided by the Resident Engineer.
4. Theoretical computations by percentages of balance points from the plans may be used to estimate the monthly quantities for partial payment estimates. These computations should be clearly documented in an Estimate Work Book and verified with the Contractor on a daily basis for unclassified excavation operations. It is recommended to be conservative in estimating the amount for payment each period until the final quantities can be calculated. Using this method, any fuel adjustments paid for unclassified excavation during the life of a project will have to be adjusted once the final quantities are calculated.

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #8 Comprehensive Grading</i>					<i>LS @ \$115,000.00</i>			<i>38</i>	
	<i>%</i>		<i>%</i>		<i>Amount</i>			<i>Est.</i>	
	<i>Complete</i>		<i>Paid</i>		<i>Paid</i>	<i>Date</i>	<i>Initials</i>	<i>#</i>	<i>Remarks</i>
	<i>5.0%</i>		<i>5.0%</i>		<i>\$4,250.00</i>	<i>4-30-07</i>	<i>HR7</i>	<i>1</i>	<i>Mobilized 4-15-07-L-</i>
	<i>20.0%</i>		<i>15.0%</i>		<i>\$12,750.00</i>	<i>5-31-07</i>	<i>JTB</i>	<i>2</i>	<i>-L- Sta. 230+00 to 290+00 Rt.</i>
	<i>35.0%</i>		<i>15.0%</i>		<i>\$12,750.00</i>	<i>6-30-07</i>	<i>HR7</i>	<i>3</i>	<i>-L- Sta. 235+00 to 310+00 Lt.</i>
	<i>50.0%</i>		<i>15.0%</i>		<i>\$12,750.00</i>	<i>7-31-07</i>	<i>MKT</i>	<i>4</i>	<i>-L- Sta. 290+00 to 360+00 Lt./Rt.</i>
	<i>75.0%</i>		<i>25.0%</i>		<i>\$21,250.00</i>	<i>8-31-07</i>	<i>MKT</i>	<i>5</i>	<i>-L- 360+00 to end project, Y, Y2, & Y4</i>
	<i>90.0%</i>		<i>15.0%</i>		<i>\$12,750.00</i>	<i>9-30-07</i>	<i>MKT</i>	<i>6</i>	<i>Rough Grading complete</i> <i>Shoulder work, Borrow for Y3, Y5, Y6</i>
	<i>100.0%</i>		<i>10.0%</i>		<i>\$8,500.00</i>	<i>10-31-07</i>	<i>JHY</i>	<i>7</i>	<i>All grading complete this estimate period.</i>
			<i>Project</i>	<i>Total:</i>	<i>\$85,000.00</i>	<i>11-2-07</i>	<i>MKT</i>		
<div style="border: 1px solid black; padding: 10px; width: fit-content;"> <p><i>I certify that this item was completed 11-2-07 in accordance with the terms of the contract.</i></p> <p><i>Signed: J. M. Resident, PE</i> <i>Resident Engineer</i></p> </div>									
									<i>Checked By: WWH</i>
									<i>Date: 11-15-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #13 Select Granular Material

1,200 CY @ \$18.25

40

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #15 Fabric for Soil Stabilization</i>				<i>2,465 SY @ \$2.80</i>				<i>43</i>		
<i>Station</i>	<i>Length</i>	<i>Width</i>	<i>Avg. Width</i>	<i>SF</i>		<i>SY</i>		<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>89+50 Lt. - L-</i>		<i>64.0'</i>						<i>7-28-07</i>	<i>LLA</i>	<i>Measured By: LLA</i>
	<i>50.0'</i>		<i>65.0'</i>	<i>3,250.0'</i>						<i>per letter from</i>
<i>90+00</i>		<i>66.0'</i>								<i>geotechnical</i>
	<i>50.0'</i>		<i>68.4'</i>	<i>3,420.0'</i>						<i>dated 6-28-07</i>
<i>90+50</i>		<i>70.8'</i>								
	<i>50.0'</i>		<i>73.4'</i>	<i>3,670.0'</i>						
<i>91+00</i>		<i>76.0'</i>								
	<i>50.0'</i>		<i>78.7'</i>	<i>3,935.0'</i>						
<i>91+50</i>		<i>81.4'</i>								
	<i>50.0'</i>		<i>80.0'</i>	<i>4,000.0'</i>						
<i>92+00</i>		<i>78.6'</i>								
	<i>50.0'</i>		<i>74.9'</i>	<i>3,745.0'</i>						
<i>92+50</i>		<i>71.2'</i>								
	<i>15.0'</i>		<i>65.6'</i>	<i>984.0'</i>						
<i>92+65</i>		<i>60.0'</i>								
	<i>15.0'</i>		<i>42.5'</i>	<i>637.5'</i>						
<i>92+80</i>		<i>25.0'</i>								
	<i>20.0'</i>		<i>12.5'</i>	<i>250.0'</i>						
<i>93+00 Lt. - L-</i>		<i>0.0'</i>						<i>7-28-07</i>	<i>LLA</i>	
	<i>Page &</i>	<i>Project</i>	<i>Total:</i>	<i>23,891.5</i>	<i>SF</i>	<i>2655</i>	<i>SY</i>	<i>8-21-07</i>	<i>LLA</i>	<i>Checked By: MLF</i>
										<i>Date: 9-19-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

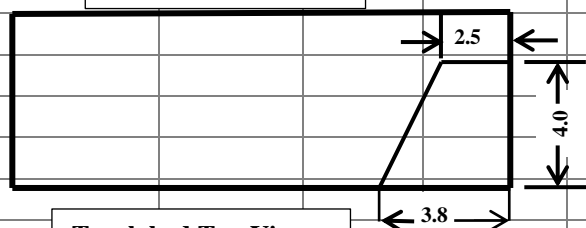
Line Code #17 Borrow Excavation - Truck Measurements

23,345 CY @ \$12.60

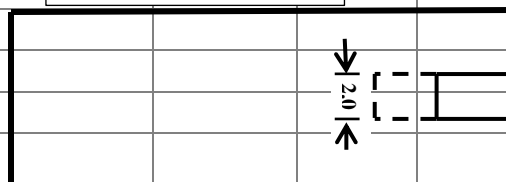
45

Truck	Length	Width	Height	Hoist	- 25%	Pay			
(Number)	(Feet)	(Feet)	(Feet)	Deduct*	Shrinkage	Qty.	Date	Initials	Remarks
				(CF)	(CY)	(CY)			Hoist Volume
TY-08	14.0	6.5	3.6	25.2	2.80	8.40	2-19-07	HR7	$Deduct^* = [(2.5+3.8) \div 2] \times 4 \times 2 = 25.2 \text{ CF}$
TY-09	14.0	6.5	3.6	25.2	2.80	8.40	2-19-07	HR7	$Deduct^* = [(2.5+3.8) \div 2] \times 4 \times 2 = 25.2 \text{ CF}$
TY-12	16.0	7.0	3.6	24.0	3.51	10.53	2-19-07	HR7	$Deduct^* = [(2.4+3.6) \div 2] \times 4 \times 2 = 24.0 \text{ CF}$
TY-04	14.0	6.5	3.6	25.6	2.80	8.39	2-19-07	HR7	$Deduct^* = [(3.0+4.1) \div 2] \times 3.6 \times 2 = 25.6 \text{ CF}$
TY-06	14.0	6.5	3.6	26.4	2.79	8.37	2-19-07	HR7	$Deduct^* = [(3.0+3.6) \div 2] \times 4 \times 2 = 26.4 \text{ CF}$
TY-23	16.0	7.0	3.6	25.6	3.50	10.49	2-19-07	HR7	$Deduct^* = [(2.4+4.0) \div 2] \times 4 \times 2 = 25.6 \text{ CF}$
P7-4	16.0	7.0	3.8	26.5	3.70	11.092	6-19-07	FG7	$Deduct^* = [(2.5+3.8) \div 2] \times 4.2 \times 2 = 26.5 \text{ CF}$
P7-6	16.0	7.0	3.8	26.9	3.69	11.08	6-19-07	FG7	$Deduct^* = [(2.5+3.9 \div 2] \times 4.2 \times 2 = 26.9 \text{ CF}$
P7-9	16.0	7.0	3.8	26.9	3.69	11.08	6-19-07	FG7	$Deduct^* = [(2.5+3.8) \div 2] \times 4.2 \times 2 = 26.9 \text{ CF}$

Truck bed Side View



Truck bed Top View



Note: Measurement of Trucks should be placed in the front of *each* Pay Record Book where the truck is shown. The truck hoist measurements shown are an example, each truck should be measured individually.

Truck Hoist Volume Calculation:

$$\left[\frac{2.5 \text{ ft} + 3.8 \text{ ft}}{2} \right] \times 4 \text{ ft} \times 2 \text{ ft} = 25.2 \text{ CF}$$

Standard Calculation for Truck # TY-08:

$$\left[\frac{(14 \text{ ft} \times 6.5 \text{ ft} \times 3.6 \text{ ft}) - 25.2 \text{ CF}}{27 \text{ CF/CY}} \right] \times 0.75 = 8.40 \text{ CY}$$

Checked By: ML7 Date: 6-19-07

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #17 Borrow Excavation</i>				<i>23,345 CY @ \$12.60</i>				<i>46</i>	
<i>Truck #</i>	<i>CY</i> <i>Truck</i>	<i>No.</i> <i>Loads</i>		<i>Total</i> <i>CY</i>			<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>H-08</i>	<i>12.3</i>	<i>14</i>		<i>172.0</i>			<i>4-16-07</i>	<i>JFB</i>	<i>Fill Sta. 235+00 - 245+00 -L- Rt.</i>
<i>H-01</i>	<i>11.5</i>	<i>23</i>		<i>264.5</i>			<i>4-16-07</i>	<i>JFB</i>	
<i>TY-03</i>	<i>11.1</i>	<i>19</i>		<i>210.9</i>			<i>4-16-07</i>	<i>JFB</i>	
<i>TY-45</i>	<i>10.4</i>	<i>17</i>		<i>176.8</i>			<i>4-16-07</i>	<i>JFB</i>	
<i>H-5</i>	<i>8.7</i>	<i>23</i>		<i>200.1</i>			<i>4-16-07</i>	<i>JFB</i>	
<i>H-9</i>	<i>8.9</i>	<i>17</i>		<i>151.3</i>			<i>4-16-07</i>	<i>JFB</i>	
<i>H-23</i>	<i>13.3</i>	<i>11</i>		<i>146.3</i>			<i>4-16-07</i>	<i>JFB</i>	
<i>TY-17</i>	<i>11.3</i>	<i>8</i>		<i>90.4</i>			<i>4-16-07</i>	<i>JFB</i>	<i>Fill Sta. 235+00 - 245+00 -L- Rt.</i>
<i>BS-8</i>	<i>14.1</i>	<i>19</i>		<i>267.9</i>			<i>4-19-07</i>	<i>DEF</i>	<i>Fill Sta. 10+00 - 19+00 Rk. C -Y- Rt.</i>
<i>BS-45</i>	<i>14.1</i>	<i>17</i>		<i>239.7</i>			<i>4-19-07</i>	<i>DEF</i>	<i>Fill Sta. 10+00 - 19+00 Rk. C -Y- Rt.</i>
<i>TY-03</i>	<i>11.1</i>	<i>16</i>		<i>177.6</i>			<i>4-20-07</i>	<i>CGH</i>	<i>Fill Sta. 265+23 - 268+50 -L- Rt.</i>
<i>TY-45</i>	<i>10.4</i>	<i>23</i>		<i>239.2</i>			<i>4-20-07</i>	<i>CGH</i>	
<i>H-23</i>	<i>13.3</i>	<i>19</i>		<i>252.7</i>			<i>4-20-07</i>	<i>CGH</i>	
<i>BS-8</i>	<i>14.1</i>	<i>20</i>		<i>282.0</i>			<i>4-20-07</i>	<i>CGH</i>	<i>Fill Sta. 265+23 - 268+50 -L- Rt.</i>
<i>B-01</i>	<i>11.4</i>	<i>2</i>		<i>22.8</i>			<i>4-25-07</i>	<i>JRY</i>	<i>Backfill Drainage Strs. 14, 15, 15A, 16</i>
<i>H-5</i>	<i>8.7</i>	<i>21</i>		<i>182.7</i>			<i>4-28-07</i>	<i>JFB</i>	<i>Backfill for H-Pile Wall Sta. 345+65-L-</i>
<i>H-9</i>	<i>8.9</i>	<i>19</i>		<i>169.1</i>			<i>4-28-07</i>	<i>JFB</i>	<i>Backfill for H-Pile Wall Sta. 345+65-L-</i>
		<i>Page</i>	<i>Total:</i>	<i>3040.5</i>	<i>CY</i>		<i>5-07-07</i>	<i>MCK</i>	
									<i>Checked By: MLF</i>
									<i>Date: 5-15-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

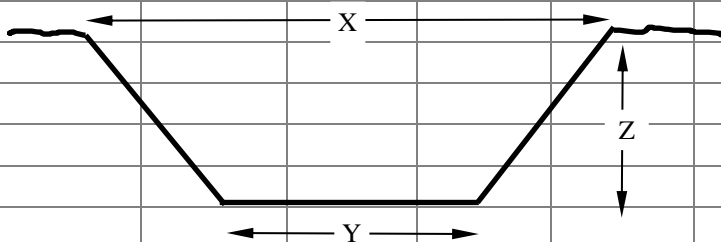
PAY RECORD BOOK ENTRY EXAMPLE

Line Code #20 Drainage Ditch Excavation

110 CY @ \$15.85

48

<i>Station</i>	<i>Length</i>	<i>X</i>	<i>Y</i>	<i>(X+Y)/2</i>	<i>Z</i>	<i>Sq. Ft.</i>	<i>Avg. Area</i>	<i>CY</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>0+00</i>		<i>8.5</i>	<i>2.0</i>	<i>5.25</i>	<i>1.6</i>	<i>8.40</i>					
<i>end of 18" RCP</i>	<i>25.0</i>						<i>13.02</i>	<i>12.1</i>	<i>11-4-07</i>	<i>PRM</i>	<i>Outlet ditch</i>
<i>0+25</i>		<i>12.1</i>	<i>2.0</i>	<i>7.05</i>	<i>2.5</i>	<i>17.63</i>					
	<i>25.0</i>						<i>23.78</i>	<i>22.0</i>			
<i>0+50</i>		<i>15.6</i>	<i>2.0</i>	<i>8.80</i>	<i>3.4</i>	<i>29.92</i>					
	<i>35.0</i>						<i>25.02</i>	<i>32.4</i>			
<i>0+85</i>		<i>12.9</i>	<i>2.0</i>	<i>7.45</i>	<i>2.7</i>	<i>20.12</i>					
	<i>30.0</i>						<i>20.70</i>	<i>23.0</i>			
<i>1+15</i>		<i>13.2</i>	<i>2.0</i>	<i>7.60</i>	<i>2.8</i>	<i>21.28</i>					
	<i>28.0</i>						<i>18.29</i>	<i>19.0</i>	<i>11-4-07</i>	<i>PRM</i>	
<i>1+43</i>		<i>11.3</i>	<i>2.0</i>	<i>6.65</i>	<i>2.3</i>	<i>15.30</i>					
<i>tie to exist ditch</i>											
					<i>Page &</i>	<i>Project</i>	<i>Total</i>	<i>108.5</i>	<i>11-4-07</i>	<i>PRM</i>	



Checked By: WBC

Date: 12-15-07

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

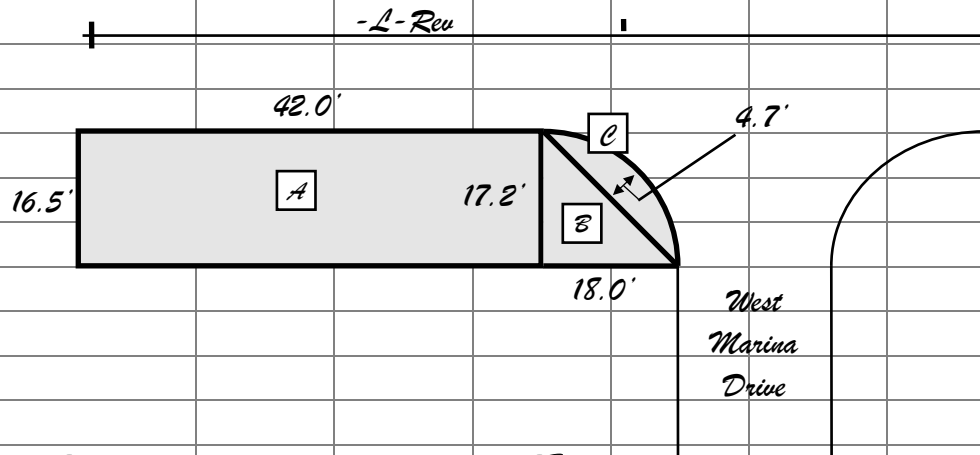
<i>Line Code #24 Removal of Asphalt Pavement</i>					<i>1,800 SY @ \$2.00</i>			<i>52</i>		
<i>Station</i>	<i>Location</i>	<i>Length</i>	<i>Width</i>	<i>Avg. Width</i>	<i>SF</i>	<i>SY</i>		<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
98+91.0	Rt. - L-		28.0'					8-27-07	LLA	Detour & old road up
		9.0'		28.0'	252.0					to bridge
95+00.0			28.0'							
		50.0'		29.0'	1,450.0					
95+50.0			30.0'							
		50.0'		31.0'	1,550.0					
96+00.0			32.0'							
		50.0'		33.5'	1,675.0					
96+50.0			35.0'							
		50.0'		31.0'	1,550.0					
97+00.0			27.0'							
		50.0'		27.5'	1,375.0					
97+50.0			28.0'							
		317.0'		28.0'	8,876.0					
100+67.0	Rt. - L-		28.0'					8-27-07	LLA	Detour & old road up
										to bridge
		Page &	Project	Total:	16,728.0	1,858.7	SY	10-2-07	TWR	
										Checked By: MLF
										Date: 11-19-07

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #24 Removal of Asphalt Pavement

1,800 SY @ \$2.00

53



Section	Calculation	SF	Date	Initials	Remarks
A	$\frac{(16.5' + 17.2') \times 42.0'}{2} = 707.7$		9-14-07	LLA	Measured By: LLA, DD7 Date: 9-14-07
B	$1/2(17.2' \times 18.0') = 154.8$		9-14-07	LLA	Calc. By: LLA Date: 9-14-07
C	$4.7' \times 42.0' \times .67329 = 132.9$		9-14-07	LLA	
Page Total:		995.4	SF =	110.6	SY
			9-14-07	LLA	
					Checked By: MLF
					Date: 10-19-07

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #27 18" BCCS Pipe Culverts 0.064" Thick

120 LF @ \$32.20

55

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #33 Lime Treated Soil - Slurry</i>					<i>22,394 SY @ \$2.85</i>		<i>57</i>		
<i>Station</i>	<i>Loc.</i>	<i>Length</i>	<i>*Width</i>	<i>Aug. Width</i>	<i>SF</i>	<i>SY</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
45+65 - L -	EBL		28.0				4-16-07	TRW	
		1,330		28.0	37,240.0	4,137.8			
58+95 - L -	EBL		28.0				4-16-07	TRW	
		455		28.0	12,740.0	1,415.6			
63+50 - L -	EBL		28.0				4-17-07	TRW	Begin deceleration lane taper
		500		34.0	17,000.0	1,888.9			
68+50 - L -	EBL		40.0				4-17-07	TRW	End deceleration lane taper
		795		40.0	31,800.0	3,533.3			
76+45 - L -	EBL		40.0				4-18-07	TRW	Includes full width deceleration lane
									Pd. 10,975.6 SY Est.#4
									Date:4-22-07 By: J-AN
76+45 - L -	EBL		28.0				4-24-07	TRW	
		1,295		28.0	36,260.0	4,028.9			
89+40 - L -	EBL		28.0				4-24-07	TRW	
		1,235		28.0	34,580.0	3,842.2			
101+75 - L -	EBL		28.0				4-24-07	TRW	
									Pd. 7,7871.1 SY Est.#5
									Date:5-22-07 By: J-AN
		Page &	Project	Total	169,620.0	18,846.7	4-24-07	TRW	
									Checked By: VLB
									Date: 7-25-07

*plan dimensions

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #36 Asphalt Curing Seal

3,040 Gallons @ \$3.35

58

			Area	Start	Stop		Actual				
							Rate	Auth.			
Station	Station	Location	Sq*	Gallons	Gallons	Gallons	Gall/Sq	Rate**	Date	Initials	Remarks
45+65	58+95	- L - EBL	4,137.8	980	312	668	0.161	0.150	4-18-07	JAL	
58+95	68+50	- L - EBL	3,304.5	1,046	484	562	0.170	0.150	4-19-07	JAL	
68+50	76+45	- L - EBL	3,533.3	926	251	675	0.191	0.150	4-20-07	JAL	Exceeds 0.02 tolerance
		(0.191 - (0.150 + 0.021))	x 3,533.3 =			-74.2			4-20-07	JAL	Deduct. required
76+45	89+40	- L - EBL	4,028.9	1002	415	587	0.146	0.150	4-23-07	JAL	
89+40	101+75	- L - EBL	3,842.2	960	257	703	0.183	0.150	4-24-07	JAL	Exceeds 0.02 tolerance
		(0.183 - (0.150 + 0.021))	x 3,842.2 =			-49.9			4-24-07	JAL	Deduction required
			Page &	Project	Total:	3,070.9			4-24-07	JAL	
* Areas previously measured for lime treated soil, soil - cement base, etc., can be shown directly without - repeating computations for the asphalt curing seal item.											
											Checked By: LL7
											Date: 5-2-07

** Authorized rate as determined by the Engineer cannot be exceeded by more than 0.02 gallons per square yard without having a deduction applied.

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #41 Milling Asphalt Pavement, 2 Inch Depth

6,280 SY @ \$2.80

60

<i>Station</i>	<i>Location</i>	<i>Length</i>	<i>Width</i>	<i>Avg. Width</i>	<i>S. Y.</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>10+00 - L -</i>	<i>WBL</i>		<i>11.8</i>					<i>Outside lane</i>
		<i>1,150</i>		<i>11.80</i>	<i>1,507.8</i>	<i>9-16-07</i>	<i>FWL</i>	
<i>21+50 - L -</i>	<i>WBL</i>		<i>11.8</i>					
		<i>1,110</i>		<i>11.80</i>	<i>1,455.3</i>	<i>9-17-07</i>	<i>FWL</i>	
<i>32+60 - L -</i>	<i>WBL</i>		<i>11.8</i>					
		<i>96</i>		<i>13.05</i>	<i>139.2</i>	<i>9-17-07</i>	<i>FWL</i>	
<i>33+56 - L -</i>	<i>WBL</i>		<i>14.3</i>					<i>Width includes part of deceleration lane</i>
								<i>lane</i>
<i>10+00 - L -</i>	<i>WBL</i>		<i>12.2</i>					<i>Median lane</i>
		<i>980</i>		<i>12.20</i>	<i>1,328.4</i>	<i>9-26-07</i>	<i>FWL</i>	
<i>19+80 - L -</i>	<i>WBL</i>		<i>12.2</i>					
		<i>665</i>		<i>12.20</i>	<i>901.4</i>	<i>9-27-07</i>	<i>FWL</i>	
<i>26+45 - L -</i>	<i>WBL</i>		<i>12.2</i>					
		<i>710</i>		<i>12.20</i>	<i>962.4</i>	<i>9-28-07</i>	<i>FWL</i>	
<i>33+55 - L -</i>	<i>WBL</i>		<i>12.2</i>					<i>Median lane</i>
<i>31+25 - L -</i>	<i>WBL</i>		<i>12.2</i>					<i>Additional full depth pass</i>
		<i>115</i>		<i>12.20</i>	<i>155.9</i>	<i>9-28-07</i>	<i>FWL</i>	<i>due to cracks & laminations</i>
<i>32+40 - L -</i>	<i>WBL</i>		<i>12.2</i>					
		<i>Page &</i>	<i>Project</i>	<i>Total</i>	<i>6,450.4</i>	<i>9-28-07</i>	<i>FWL</i>	<i>Checked By: JCV</i>
								<i>Date: 10-15-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #27 Pipe Removal

310 LF @ \$11.00

61

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #50 Subdrain Excavation

230 CY @ \$11.85

62

<i>Station/Loc</i>	<i>Length</i>	<i>Width</i>	<i>Depth</i>	<i>Avg. Depth</i>	<i>CY</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>10+00 Rt. -L-</i>		<i>1.5</i>	<i>0.7</i>					
	<i>42.4</i>			<i>3.75</i>	<i>8.8</i>	<i>4-16-07</i>	<i>JML</i>	
<i>10+30 Rt. -L-</i>			<i>6.8</i>					
	<i>70.0</i>			<i>6.80</i>	<i>26.4</i>			
<i>11+00 Rt. -L-</i>			<i>6.8</i>					<i>Outlet in slope</i>
	<i>100.0</i>			<i>6.75</i>	<i>37.5</i>			<i>45° skew - field measured</i>
<i>12+00 Rt. -L-</i>			<i>6.7</i>					
	<i>100.0</i>			<i>6.65</i>	<i>36.9</i>			
<i>13+00 Rt. -L-</i>		<i>1.5</i>	<i>6.6</i>			<i>4-16-07</i>	<i>JML</i>	
<i>27+40 Lt. -L-</i>		<i>1.5</i>	<i>4.5</i>			<i>5-4-07</i>	<i>JML</i>	
	<i>35.7</i>			<i>5.70</i>	<i>11.3</i>			
<i>27+45 Lt. -L-</i>			<i>6.9</i>					
	<i>55.0</i>			<i>6.85</i>	<i>20.9</i>			<i>Tie to D9</i>
<i>28+00 Lt. -L-</i>			<i>6.8</i>					<i>lateral distance</i>
	<i>100.0</i>			<i>6.70</i>	<i>37.2</i>			<i>field measured</i>
<i>29+00 Lt. -L-</i>			<i>6.6</i>					
	<i>125.0</i>			<i>6.60</i>	<i>45.8</i>			
<i>30+25 Lt. -L-</i>		<i>1.5</i>	<i>6.6</i>			<i>5-4-07</i>	<i>JML</i>	
* CY = L x W x Av. Depth/27								<i>Checked By: APM</i>
		<i>Page &</i>	<i>Project</i>	<i>Total</i>	<i>224.8</i>	<i>5-4-07</i>	<i>JML</i>	<i>Date: 10-16-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #66 Pipe Collars			4.6 CY @ \$520.00			71		
Station	Location	Pipe Dia.	Str. #		*CY	Date	Initials	Remarks
25+15	Rt. -L-	18"	21		0.4465	12-1-06	GER	
59+62	Lt. -L-	30"	32		0.6560	2-2-07	GER	
59+74	Rt. -L-	30"	33		0.6560	2-2-07	GER	
89+60	Rt. -L-	42"	45		0.8856	2-15-07	GER	
89+60	Lt. -L-	42"	46		0.8856	2-15-07	GER	
105+35	Rt. -L-	24"	58		0.5526	3-25-07	GER	
105+50	Lt. -L-	24"	59		0.5526	3-25-07	GER	
		Page &	Project	Total	4.6349	3-25-07	GER	
*Refer to Standard Drawing No. 840.72 table of quantities for concrete pipe.								Checked By: WAH Date: 4-21-07

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #67 Pipe Plugs</i>				<i>2.4 CY @ \$620.00</i>		<i>72</i>		
<i>Station</i>	<i>Location</i>	<i>Pipe Dia.</i>		<i>*CY</i>		<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>225+60</i>	<i>Rt. - L-</i>	<i>15"</i>		<i>0.045</i>		<i>12-2-07</i>	<i>CAG</i>	
<i>225+75</i>	<i>Lt. - L-</i>	<i>15"</i>		<i>0.045</i>		<i>12-2-07</i>	<i>CAG</i>	
<i>49+73</i>	<i>Lt. & Rt. - 1/2-</i>	<i>18"</i>		<i>0.130</i>		<i>2-4-07</i>	<i>CAG</i>	<i>Plugged both ends</i>
<i>279+65</i>	<i>Lt. & Rt. - L-</i>	<i>30"</i>		<i>0.364</i>		<i>3-15-07</i>	<i>CAG</i>	<i>Plugged both ends</i>
<i>57+30</i>	<i>Lt. & Rt. - 1/3-</i>	<i>54"</i>		<i>1.178</i>		<i>3-29-07</i>	<i>CAG</i>	<i>Plugged both ends</i>
<i>122+55</i>	<i>Lt. & Rt. - L-</i>	<i>(3' x 3' x 1') / 27</i>	<i>2 ends =</i>	<i>0.667</i>		<i>4-15-07</i>	<i>CAG</i>	<i>Existing 3' x 3'</i>
								<i>RCBC</i>
		<i>Page & Project</i>	<i>Total</i>	<i>2.429</i>		<i>4-15-07</i>	<i>CAG</i>	
<div> <div>Refer to Standard Drawing No. 840.71</div> <div></div> </div>								
								<i>Checked By: PRR</i>
								<i>Date: 7-2-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #72 Masonry Drainage Structures

2.4 LF @ \$345.00

75

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #73 Frame and Grate with Hood, Std. 840.03, Type E

6 Ea. @ \$472.50

76

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #78 2'-6" Concrete Curb & Gutter

1,510 LF @ \$16.50

77

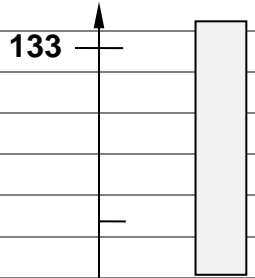
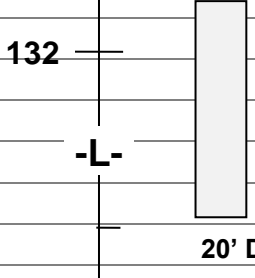
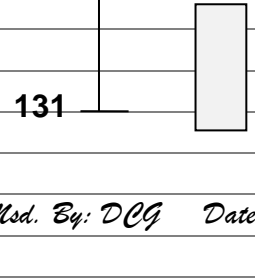
[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #79 4" Concrete Sidewalk

1,980 SY @ \$33.25

78

<i>Station</i>	<i>Lt./Rt.</i>	<i>Length</i>	<i>Width</i>	<i>SF</i>	<i>SY</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>133+13.35</i>								
	<i>Rt.</i>	<i>61.60</i>	<i>5.0</i>	<i>308.0</i>	<i>34.22</i>	<i>6-30-07</i>	<i>DCG</i>	
<i>131+51.75</i>								
<i>132+31.75</i>								
	<i>Rt.</i>	<i>89.15</i>	<i>5.0</i>	<i>445.75</i>	<i>49.53</i>	<i>6-30-07</i>	<i>DCG</i>	
<i>131+82.20</i>								
<i>131+62.20</i>								
	<i>Rt.</i>	<i>85.90</i>	<i>5.0</i>	<i>429.5</i>	<i>47.72</i>	<i>6-30-07</i>	<i>DCG</i>	
<i>130+76.30</i>								
			<i>Page</i>	<i>Total:</i>	<i>131.47</i>	<i>SY</i>	<i>6-30-07</i>	<i>DCG</i>
								<i>Msd. By: DCG Date: 6-30-07</i>
								<i>Calculated By: DJT Date: 7-1-07</i>
								<i>Checked By: MLT Date: 7-19-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #85 5" Concrete Monolithic Island

128 SY @ \$54.00

80

Station	Section	Area	Amount	Date	Initials	Remarks
122+34 - L-	A	$1/2(\pi * (4.0)^2) = 25.13 \text{ SF}$				Radius
	B					Island
121+84.8 - L-	C	$((8+4) \div 2) * 43.2 = 259.20 \text{ SF}$				Radius
		$1/2(\pi * (2.0)^2) = 6.28 \text{ SF}$	32.29 SY	7-23-07	MLF	
Page Total:			32.29 SY	8-4-07	MLK	Calculated By: MLK Date: 8-4-07
						Checked By: MLF Date: 9-5-07

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #92 Steel B. M. Guardrail

1,826 L7 @ \$13.36

82

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #102 4" Timber Posts - 8.0' Long						160 Ea. @ \$16.25		83			
		Line	No. &	No. &	No. &	Total		Total			
Station	Station	Lt./Rt.	Length	Length	Length	Extra		No.			
						Length		Std.	Date	Initials	Remarks
0+00	10+00	NBL Rt.						75	3-19-07	WJH	
5+00	6+00	NBL Rt.	2@10.4'	4@9.5'	4@12.4'	108.4'			3-19-07	WJH	Gulley
10+00	20+00	NBL Rt.						80	8-24-07	SJH	
15+00	16+00	NBL Rt.	6@10.4'			62.4'			8-24-07	SJH	Draw
						Subtotal:	$\frac{170.8'}{8'}$	=	22		Calc. By: SJH
											Date: 8-24-07

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #105 Chain Link Fence – 48"

6,530 LF @ \$ 2.65

84

Station	Loc.	Station	Loc.	Lt./Rt.	Length	Date	Initials	Remarks
435+25	-L-	439+33	-L-	Rt.	408	6-23-06	HK7	Begin CA - Tangent Section
0+00	Rk. A	45+85	-Y1-	Rt.	736	6-29-06	HK7	Ramp A and -Y1-
0+00	Rk. B	15+44	Rk. B	Rt.	1,618	7-5-06	GPG	-Y1- and Ramp B and acceleration lane
565+85	-L-	568+00	-L-	Rt.	215	7-7-06	GPG	Tangent Section - End CA
566+75	-L-	568+50	-L-	Lt.	175	6-2-07	MKT	Begin CA - Tangent Section
14+55	Rk. C	18+45	-Y1-	Lt.	1,582	6-4-07	MKT	Ramp A and -Y1-
20+55	-Y1-	0+00	Rk. D	Lt.	1,618	6-8-07	MKT	-Y1- and Ramp B and acceleration lane
438+63	-L-	436+80	-L-	Lt.	183	6-13-07	MKT	Tangent Section - End CA
			Page &	Project	Total:	6,536 LF	7-2-07	HLM
								Checked By: MLF
								Date: 1-19-07

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #110 Seeding & Mulching

23.5 Ac. @ \$1,330.00

85

Station	Location	Length	Width	Avg. Width	SF	Date	Initials	Est. #	Remarks
6+03	-L- Lt.		120.0						
		37.0		120.0	5,640.0	9-30-07	R77	5	Seeded & Mulched 10-2-07
6+50			120.0						
		50.0		115.0	5,750.0				
7+00			110.0						
		50.0		95.0	4,750.0				
7+50			80.0						
		50.0		77.5	3,875.0				
8+00			75.0						
		50.0		67.5	3,375.0				Measured By: R77, RBR 9-18-07
8+50			60.0						
		50.0		61.0	3,050.0				
9+00			62.0						
		50.0		58.5	2,925.0				
9+50			55.0						
		50.0		51.0	2,550.0				
10+00			47.0						
		30.0		46.0	1,380.0	9-30-07	R77	5	Seeded & Mulched 10-2-07
10+30	-L- Lt.		45.0						
			Page	Total:	33,295.0	0.764 ac.	9-30-07		Checked By: ADC
							JAD		Date: 6-19-07

The square footage should be converted to acres for estimates and page totals and not for each entry. Only show the page summary at the bottom of the page.

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #110 Seeding & Mulching

23.5 Ac. @ \$1,330.00

86

Station	Location	Length	Width	Avg. Width	SF	Date	Initials	Est. #	Remarks
10+30	- L- Lt.		45.0						
		20.0		62.5	1,250.0	9-30-07	RJT	5	Seeded & Mulched 10-2-07
10+50			80.0						
		50.0		90.0	4,500.0				
11+00			100.0						
		50.0		95.0	4,750.0				
11+50			90.0						
		50.0		72.5	3,625.0				
12+00			55.0						
		50.0		57.5	2,875.0				Measured By: RJT, RBR 9-18-07
12+50			60.0						
		50.0		61.0	3,050.0				
13+00			62.0						
		50.0		58.5	2,925.0				
13+50			55.0						
		50.0		51.0	2,550.0				
14+00			47.0						
		40.0		46.0	1,840.0	9-30-07	RJT	5	Seeded & Mulched 10-2-07
14+40	- L- Lt.		45.0						Pd. 1.392 ac. By: TJT 10-7-07
			Page	Total:	27,365	0.628 ac.	9-30-07	JAD	Checked By: MLT
									Date: 6-19-07

- The square footage should be converted to acres for estimates and page totals and not for each entry. Only
- show the page summary at the bottom of the page.

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #116 Specialized Hand Mowing

12 MH @ \$55.00

12

<i>Station</i>	<i>Location</i>	<i>Start</i>	<i>Stop</i>	<i>#</i>	<i># of</i>	<i>Man</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
				<i>Hours</i>	<i>Men</i>	<i>Hours</i>			
<i>15+50 - 21+75</i>	<i>Lt. & Rt. -L-</i>	<i>10:05</i>	<i>10:50</i>	<i>0.8</i>	<i>3</i>	<i>2.4</i>	<i>10-15-07</i>	<i>WLM</i>	<i>Guardrail</i>
		<i>am</i>	<i>am</i>						
<i>39+20 - 46+35</i>	<i>Lt. & Rt. -L-</i>	<i>11:10</i>	<i>11:50</i>	<i>0.7</i>	<i>3</i>	<i>2.1</i>	<i>10-15-07</i>	<i>WLM</i>	<i>Guardrail</i>
		<i>am</i>	<i>am</i>						
<i>58+60 - 60+40</i>	<i>-L- Med.</i>	<i>12:40</i>	<i>1:05</i>	<i>0.4</i>	<i>2</i>	<i>0.8</i>	<i>10-15-07</i>	<i>WLM</i>	<i>Guardrail</i>
		<i>pm</i>	<i>pm</i>						
<i>10+00 - 78+00</i>	<i>Lt. & Rt. -L-</i>	<i>1:15</i>	<i>2:25</i>	<i>1.2</i>	<i>2</i>	<i>2.4</i>	<i>10-15-07</i>	<i>WLM</i>	<i>Signs throughout</i>
		<i>pm</i>	<i>pm</i>						
<i>10+00 - 14+15</i>	<i>Lt. & Rt. -Y-</i>	<i>2:45 pm</i>	<i>3:50 pm</i>	<i>1.1</i>	<i>2</i>	<i>2.2</i>	<i>10-15-07</i>	<i>WLM</i>	<i>Slopes, signs, poles</i>
			<i>Page &</i>	<i>Project</i>	<i>Total</i>	<i>9.9</i>	<i>10-15-07</i>	<i>WLM</i>	
									<i>Checked By: CLK</i>
									<i>Date: 11-15-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #115 Seed For Temporary Seeding

500 Lb. @ \$9.00

14

Station	Location	No. Bags	Bag Weight	Lbs.		Date	Initials	Remarks
115+00								
118+50		3	50.0	150.0		10-10-07	ERN	Channel Change Area for Culvert
18+00		1	50.0	50.0		10-11-07	ERN	Quadrant A - 1/24-
18+00 +/-								
10+00 +/-		4.5	50.0	225.0		12-15-07	CDC	Stockpile for W. Walker Borrow Pit
		Page Total		425.0		12-15-07	CDC	
								Checked By: WMA
								Date: 12-21-07

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #143 Matting for Erosion Control

2,824 SY @ \$2.60

21

<i>Station</i>	<i>Station</i>	<i>Loc.</i>	<i>Length</i>	<i>Width</i>	<i>SF</i>	<i>SY</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
			<i>(LF)</i>	<i>(LF)</i>					
<i>10+50+/-</i>	<i>11+80+/-</i>	<i>-L-Rt.</i>	<i>134.0</i>	<i>8.00</i>	<i>1,072.00</i>	<i>119.11</i>	<i>5-11-07</i>	<i>WLN</i>	
<i>11+00</i>	<i>11+25</i>	<i>-1/2-Rt.</i>	<i>25.0</i>	<i>8.00</i>	<i>200.00</i>	<i>22.22</i>	<i>5-12-07</i>	<i>WLN</i>	
<i>11+30+/-</i>	<i>11+90+/-</i>	<i>-L2-Lt.</i>	<i>62.0</i>	<i>15.67</i>	<i>971.54</i>	<i>107.95</i>	<i>5-15-07</i>	<i>WLN</i>	<i>Ditchline</i>
<i>10+50+/-</i>	<i>11+90+/-</i>	<i>-L2-Rt.</i>	<i>144.0</i>	<i>15.67</i>	<i>2,256.48</i>	<i>250.72</i>	<i>5-15-07</i>	<i>WLN</i>	<i>Ditchline</i>
<i>161+20+/-</i>	<i>163+15+/-</i>	<i>-L2-Rt.</i>	<i>97.0</i>	<i>8.00</i>	<i>776.00</i>	<i>86.22</i>	<i>5-15-07</i>	<i>WLN</i>	<i>Shoulder</i>
<i>165+80</i>	<i>166+50</i>	<i>-L2-Rt.</i>	<i>70.0</i>	<i>15.67</i>	<i>1,096.90</i>	<i>121.88</i>	<i>5-15-07</i>	<i>WLN</i>	
<i>10+40</i>	<i>11+16</i>	<i>-1/4-Lt.</i>	<i>76.0</i>	<i>8.00</i>	<i>608.00</i>	<i>67.56</i>	<i>5-15-07</i>	<i>WLN</i>	
<i>12+80</i>		<i>-L-Rt.</i>	<i>118.0</i>	<i>8.00</i>	<i>944.00</i>	<i>104.89</i>	<i>5-15-07</i>	<i>WLN</i>	<i>Along top of Culvert and</i>
									<i>Wings</i>
<i>15+20+/-</i>	<i>17+70+/-</i>	<i>-L-Lt.</i>	<i>253.0</i>	<i>8.00</i>	<i>2,024.00</i>	<i>224.89</i>	<i>5-15-07</i>	<i>WLN</i>	<i>Shoulder</i>
									<i>Pd. 1,105.44 SY Est. #4</i>
									<i>By: JAD Date: 6-1-07</i>
			<i>Page</i>	<i>Total:</i>	<i>9,948.92</i>	<i>1,105.44</i>	<i>6-1-07</i>	<i>JAD</i>	<i>Checked By: MLF</i>
									<i>Date: 6-19-07</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #158 Portable Construction Lighting

LS @ \$80,000.00

22

[illegible]

I certify that this item was completed 8-7-07 in accordance with the terms of the contract.

Signed: J. M. Resident, PE
Resident Engineer

Note: Percentages for payment are determined by Section 1413 of the 2006 Standard Specifications.

Checked By: 772

Date: 12-19-07

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #166 12" Ductile Iron Pipe

1,236 LF @ \$36.85

25

Station	Station	Loc.	Lt./Rt.	Total Length	DOT Portion	Municipal Portion	Date	Initials	Remarks
323+60	326+00	-L-	Rt.	240.4	207.781	32.619	7-26-07	RML	Municipal cost at \$5.00/LF = $((5/36.85) \times 240.4) = 32.619 \text{ LF}$ Manhole A to -Y4- Tested and OK
326+00	336+00	-L-	Rt.	1,006.7	870.106	136.594	8-18-07	RML	Municipal cost at \$5.00/LF = $((5/36.85) \times 1006.7) = 136.594 \text{ LF}$
	Page &	Project	Total	1,247.1	1,077.887	169.213	8-18-07	RML	

Pipe lengths are measured through bends, tees, hydrants, etc.

Municipal costs or nonparticipating costs associated with utilities are addressed in Municipal Agreements executed by the Department prior to construction. Contact the Utility Agent for the project to obtain a copy of the agreement and discuss how it should be paid. The majority of agreements executed are based on a set, reimbursable price as in this example. Make certain any breakdown multipliers, fixed costs per foot, etc., are clearly labeled in the Pay Record Book for each item such as pipe, fittings, valves, couplings, service lines, etc. Due to the complexity of some Municipal Agreements, it is recommended that this information be documented in a Estimate Work Book prior to showing the breakdown in the Pay Record Book.

Calculated By: RML

Date: 8-18-07

Checked By: MLF

Date: 1-19-08

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #168 Generic Utility Item 10" Gate Valve
& Valve Box, 200# WP

3 Ea. @ \$2,250.00

26

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #172 4' Diameter Utility Manhole 0-6' Depth

~~5 Ea. @ \$2,550.00~~

27

#173 4' Diameter Utility Manhole Wall over 6' Height

8.9 LF @ \$275.50

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #180 Sign Footings</i>			<i>23.5 Cy @ \$875.00</i>					<i>28</i>	
<i>Station</i>	<i>Location</i>	<i>Sign #</i>	<i># of</i>	<i>Dia.</i>	<i>Depth</i>	<i>*Cy.</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
			<i>Footings</i>	<i>(Ft)</i>	<i>(Ft)</i>				
280+00	Rt. - L-	101A, 101B	2	2.0	4.5	1.047	10/20/99	ADC	
305+00	Rt. - L-	102	3	2.5	6.0	3.272	10/20/99	ADC	
332+25	Rt. - L-	103A, 103B	2	2.0	6.0	1.396	10/20/99	ADC	Extra Depth Footing. per Resident Engineer.
350+50	Rt. - L-	104	2	2.0	4.5	1.047	10/20/99	ADC	
381+00	Rt. - L-	105A, 105B	2	2.5	6.0	2.181	10/22/99	ADC	
423+00	Lt. - L-	106A, 106B	2	2.0	4.5	1.047	10/22/99	ADC	
503+00	Lt. - L-	107	3	2.0	4.5	1.571	10/22/99	ADC	
484+00	Lt. - L-	108A, 108B	2	2.0	4.5	1.047	10/22/99	ADC	
525+90	Lt. - L-	109A, 109B	2	2.0	4.5	1.047	10/22/99	ADC	
* CY =((No. of footings x $\pi D^2 / 4$) x Depth)/27									
Refer to Standard Drawing No. 903.10									
				<i>Page</i>	<i>Total</i>	13.655	10/22/99	RSB	Checked By: WJA

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #184 Breakaway Steel Beam Sign Supports</i>				<i>18,345 Lb. @ \$4.28</i>			<i>30</i>	
<i>Station</i>	<i>Location</i>	<i>Sign #</i>		<i>Lb.</i>	<i>Date</i>	<i>Initials</i>	<i>Est. #</i>	<i>Remarks</i>
<i>280+00</i>	<i>Rt. - L-</i>	<i>101A, 101B</i>		<i>635.0</i>	<i>10-12-07</i>	<i>KLR</i>	<i>6</i>	
<i>305+00</i>	<i>Rt. - L-</i>	<i>102</i>		<i>4,587.0</i>	<i>10-15-07</i>	<i>KLR</i>	<i>6</i>	
<i>332+25</i>	<i>Rt. - L-</i>	<i>103A, 103B</i>		<i>879.0</i>	<i>10-15-07</i>	<i>KLR</i>	<i>6</i>	
<i>350+50</i>	<i>Rt. - L-</i>	<i>104</i>		<i>2,035.0</i>	<i>10-19-07</i>	<i>KLR</i>	<i>6</i>	<i>Pd. 8,136.0 Lb. Est. #6</i>
								<i>by: 772 10-22-07</i>
<i>381+00</i>	<i>Rt. - L-</i>	<i>105A, 105B</i>		<i>930.0</i>	<i>10-24-07</i>	<i>KLR</i>	<i>7</i>	
<i>423+00</i>	<i>Lt. - L-</i>	<i>106A, 106B</i>		<i>942.0</i>	<i>10-24-07</i>	<i>KLR</i>	<i>7</i>	
<i>503+00</i>	<i>Lt. - L-</i>	<i>107</i>		<i>1,047.0</i>	<i>11-16-07</i>	<i>KLR</i>	<i>7</i>	
<i>484+00</i>	<i>Lt. - L-</i>	<i>108A, 108B</i>		<i>605.0</i>	<i>11-16-07</i>	<i>KLR</i>	<i>7</i>	
<i>525+90</i>	<i>Lt. - L-</i>	<i>109A, 109B</i>		<i>641.0</i>	<i>11-16-07</i>	<i>KLR</i>	<i>7</i>	<i>Pd. 4,165.0 Lb.</i>
								<i>Est. #7</i>
								<i>by: 772 11-22-07</i>
* From computed nominal weights in final revised plans.			<i>Page</i>	<i>Total</i>	<i>12,301.0</i>	<i>11-16-07</i>	<i>KLR</i>	
								<i>Checked By: MOH</i>
								<i>Date: 1-12-08</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #188 Erection of Signs, Type A

8 Ea. @ \$525.00

34

[illegible]

Note: Type A, B, C, D, E, and milemarker signs are the same.

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #190 Overhead Sign Assembly "B" @ Sta. 130+10 - L-

LS @ \$62,545.00

36

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #194 Lighting Assembly for Overhead Sign Assembly "B"

LS @ \$5,725.00

38

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Station</i>	<i>Line</i>	<i>Number</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
94+00	-L-	1	3-16-00	PSP	ONLY
98+75	-L-	1	3-16-00	PSP	L7. TURN
14+50	W-17-	1	3-16-00	PSP	L7. TURN
93+50	-L-	1	3-26-00	PSP	R7. TURN
126+40	-L-	1	7-29-00	JPH	WIELD
126+45	-L-	1	7-29-00	JPH	WIELD
127+50	-L-	1	7-29-00	JPH	R7. TURN
	Page Total:	7 Ea.	7-29-00	JPH	
					Checked By: ML7
					Date: 8-19-00

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #208 Messenger Cable, 3/8"

600 LF @ \$3.75

44

[illegible]

NOTE: See Standard Specifications Section 1710-4.

- Aerial messenger cable measured horizontally from pole to pole.
- No consideration for sag in cable.

Checked By: ML7

Date: 9-19-07

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #221 Polyurea Pavement Marking Lines (4") 56,640 LF @ \$0.84

48

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #224 Polyurea Pavement Marking Symbol</i>						<i>4 Ea. @ \$115.00</i>		<i>50</i>	
<i>Station</i>	<i>Loc.</i>	<i>Lt./Rt.</i>			<i>Total</i>	<i>Quantity</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
285+00	-L-	Rt.				1	10-19-07	JFB	NBL - Rt. Turn Lane
285+50	-L-	Rt.				1	10-19-07	JFB	NBL - Rt. Turn Lane
288+25	-L-	Lt.				1	10-21-07	KL7	SBL - Rt. Turn Lane
290+75	-L-	Lt.				1	10-21-07	KL7	SBL - Rt. Turn Lane
				<i>Page</i>	<i>Total</i>	4	10-21-07	KL7	<i>Checked By: ML7</i>
									<i>Date: 1-19-08</i>

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #238</i>		<i>Paint Pavement Marking Lines (4")</i>				<i>1,860 L7 @ \$0.15</i>		<i>52</i>	
<i>Station</i>	<i>Station</i>	<i>Location</i>		<i>Length</i>			<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>11+95</i>	<i>22+10</i>	<i>Lt. - L-</i>		<i>1,015</i>			<i>11-08-07</i>	<i>WLN</i>	
<i>12+00</i>	<i>12+56</i>	<i>Lt. - L-</i>		<i>56</i>			<i>11-08-07</i>	<i>WLN</i>	
<i>165+80</i>	<i>166+90</i>	<i>Lt. - L2-</i>		<i>42</i>			<i>4-18-07</i>	<i>WLN</i>	
<i>166+90</i>	<i>170+51</i>	<i>Rt. - L2</i>		<i>361</i>			<i>4-18-07</i>	<i>WLN</i>	
<i>6+80</i>	<i>9+60</i>	<i>Rt. - L-</i>		<i>80</i>			<i>5-01-07</i>	<i>WLN</i>	
<i>9+75</i>	<i>10+50</i>	<i>Rt. - L-</i>		<i>75</i>			<i>5-01-07</i>	<i>WLN</i>	
<i>3+58</i>	<i>10+15</i>	<i>Lt. - L-</i>		<i>657</i>			<i>5-01-07</i>	<i>WLN</i>	
<i>10+15</i>	<i>11+20</i>	<i>Lt. - L-</i>		<i>42</i>			<i>5-01-07</i>	<i>WLN</i>	<i>Mini-Skips 2' long-21</i>
									<i>ea.</i>
		<i>Page</i>	<i>Total:</i>	<i>2,328</i>	<i>L7</i>		<i>7-2-07</i>	<i>TNR</i>	<i>Checked By: ML7</i>
									<i>Date: 6-19-99</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #238

Snowplowable Pavement Markers - Cyr-Red

858 Ea. @ \$37.15

54

[illegible]

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #251 Type "C" Flashing Arrow Panel				2 Ea. @ \$2,900.00		60		
Station	Loc.	Lt./Rt.		Total	Date	Initials	Remarks	
452+00	-L-	Rt.		1	8-19-07	HR7	Temporary Lane Closures	
846+90	-L-	Lt.		1	8-19-07	HR7	Temporary Lane Closures	
104+23	-L-	Lt./Rt.		1	11-21-07	LRM	Additional Panel Required - Closure of -W35- due to sinkhole All panels in use on this date. Approved by RE - 11-21-07	
			Page	Project	Total:	3 Ea.	12-2-07	ML7
<p>The Contractor is only paid for the maximum quantity of panels in use at any one time during the life of the project. In this example, the Contractor has placed 3 panels in operation at the same time.</p>			<p>Note: The method of measurement for traffic control items such as drums, cones, barricades, portable work zone signs, barricade mounted work zone signs, Type C flashing arrow panels, changeable message signs, warning flags, warning lights and truck mounted impact attenuators is the maximum number operating or in use at any one time during the life of the project.</p>					
			Checked By: ML7					
			Date: 1-19-00					

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #258 Truck Mounted Impact Attenuator

2 Ea. @ \$11,850.00

64

Station	Loc.	Lt./Rt.				Total	Date	Initials	Remarks
435+60	-L Rev. -	Rt.				1	8-24-98	GTP	Approach end of barrier - Phase 1
23+85	-W4-	Rt.				1	9-3-98	GTP	Approach end of barrier - Phase 1
									Added to project.
			Page &	Project	Total:	2 Ea.	10-2-99	MCK	

The Contractor is only paid for the maximum quantity of TMIA's in use at any one time during the life of the project. In this example, the Contractor has placed 2 TMIA's in operation at the same time.

Note: The method of measurement for traffic control items such as drums, cones, barricades, portable work zone signs, barricade mounted work zone signs, Type C flashing arrow panels, changeable message signs, warning flags, warning lights and truck mounted impact attenuators is the maximum number operating or in use at any one time during the life of the project.

Checked By: MCK
Date: 1-19-00

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #259 Truck Mounted Impact Attenuator Repair Package

1 Ea. @ \$1,355.00 66 86

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #260 Changeable Message Signs

3 Ea. @ \$22,000.00

68

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #261 Flagger</i>					<i>26 MD @ \$450.00</i>				<i>70</i>
<i>Station</i>	<i>Location</i>	<i># Flaggers</i>	<i># Man-Days</i>		<i>Date</i>	<i>Initials</i>	<i>Est. #</i>	<i>Remarks</i>	
<i>34+75</i>	<i>-Y1-</i>	<i>2</i>	<i>2</i>		<i>10-29-06</i>	<i>WLN</i>		<i>Laid x-line under US 158</i>	
<i>68+55</i>	<i>-Y2-</i>	<i>2</i>	<i>2</i>		<i>02-15-07</i>	<i>WLN</i>		<i>Sawing pavement for x-lines</i>	
<i>88+50</i>	<i>-Y3-</i>	<i>2</i>	<i>2</i>		<i>02-21-07</i>	<i>WLN</i>		<i>Wedging -Y3-</i>	
<i>109+10</i>	<i>-Y4-</i>	<i>2</i>	<i>2</i>		<i>02-23-07</i>	<i>WLN</i>		<i>Wedging -Y4-</i>	
<i>20+50</i>	<i>-L-</i>	<i>3</i>	<i>3</i>		<i>05-06-07</i>	<i>WLN</i>		<i>Pipe x-line</i>	
<i>35+50</i>	<i>-L-</i>	<i>4</i>	<i>4</i>		<i>11-07-07</i>	<i>WLN</i>		<i>Pipe x-line</i>	
<i>35+50</i>	<i>-L-</i>	<i>4</i>	<i>4</i>		<i>11-08-07</i>	<i>WLN</i>		<i>Pipe x-line</i>	
<i>44+50</i>	<i>-L-</i>	<i>3</i>	<i>3</i>		<i>12-01-07</i>	<i>WLN</i>		<i>Paving</i>	
<i>44+50</i>	<i>-L-</i>	<i>2</i>	<i>2</i>		<i>12-03-07</i>	<i>WLN</i>		<i>Paving</i>	
<i>48+50</i>	<i>-L-</i>	<i>5</i>	<i>5</i>		<i>12-08-07</i>	<i>WLN</i>		<i>Paving</i>	
<i>48+50</i>	<i>-L-</i>	<i>3</i>	<i>3</i>		<i>12-09-07</i>	<i>WLN</i>		<i>Paving</i>	
<i>48+50</i>	<i>-L-</i>	<i>5</i>	<i>5</i>		<i>12-10-07</i>	<i>WLN</i>		<i>Paving</i>	
		<i>Page Total:</i>	<i>37</i>		<i>1-3-08</i>	<i>SBT</i>			
								<i>Checked By: MTF</i>	
								<i>Date: 1-3-08</i>	

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

STRUCTURE EXAMPLES

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #268 Culvert Excavation - Sta. 284+63.29 - L-

LS @ \$15,000.00

12

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #274 Removal of Existing Structure @ Sta. 185+23.11 -L- LS @ \$36,500.00

24

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #276 Foundation Excavation for Bent No. 2 @ Sta. 341+34.54 -L- LS @ \$2,500.00 8

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #280 3'-0" Diameter Drilled Piers in Rock

135 LF @ \$ 465.00

68

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #284 *Unclassified Structure Excavation*

337 Cy @ \$ 22.58

30

Station	Rt./Lt.						Date	Initials	Remarks

Notes for Unclassified Structure Excavation:

1. Computations may be shown in Pay Record Books by using the XYZ Method for volume calculation when field measurements are taken. These calculations can also have deductions for pavement removal, if necessary.
2. Original cross-sections should be placed in the Pay Record Books when they are taken. Final cross-sections should be recorded in the Pay Record Books when they are calculated.
3. When cross-sections are taken, they may be calculated by the following procedures:
 - Plotted on cross-section sheets and volumes calculated using the average-end area method.
 - Computed by Photogrammetry with original aerial photogrammetric cross sections and theoretical final cross-sections provided by the Resident Engineer.
4. Plan quantities may be used to estimate the monthly quantities for partial payment estimates. These computations should be clearly documented in an Estimate Work Book and verified with the Structure Contractor or Subcontractor on a daily basis for unclassified structure excavation operations. It is recommended to be conservative in estimating the amount for payment each period until the final quantities are calculated.
5. Specific pay limits for this item are included in the Structure Plans.

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #285

Reinforced Concrete Deck Slab

27,660 SF @ \$14.24

52

[illegible]

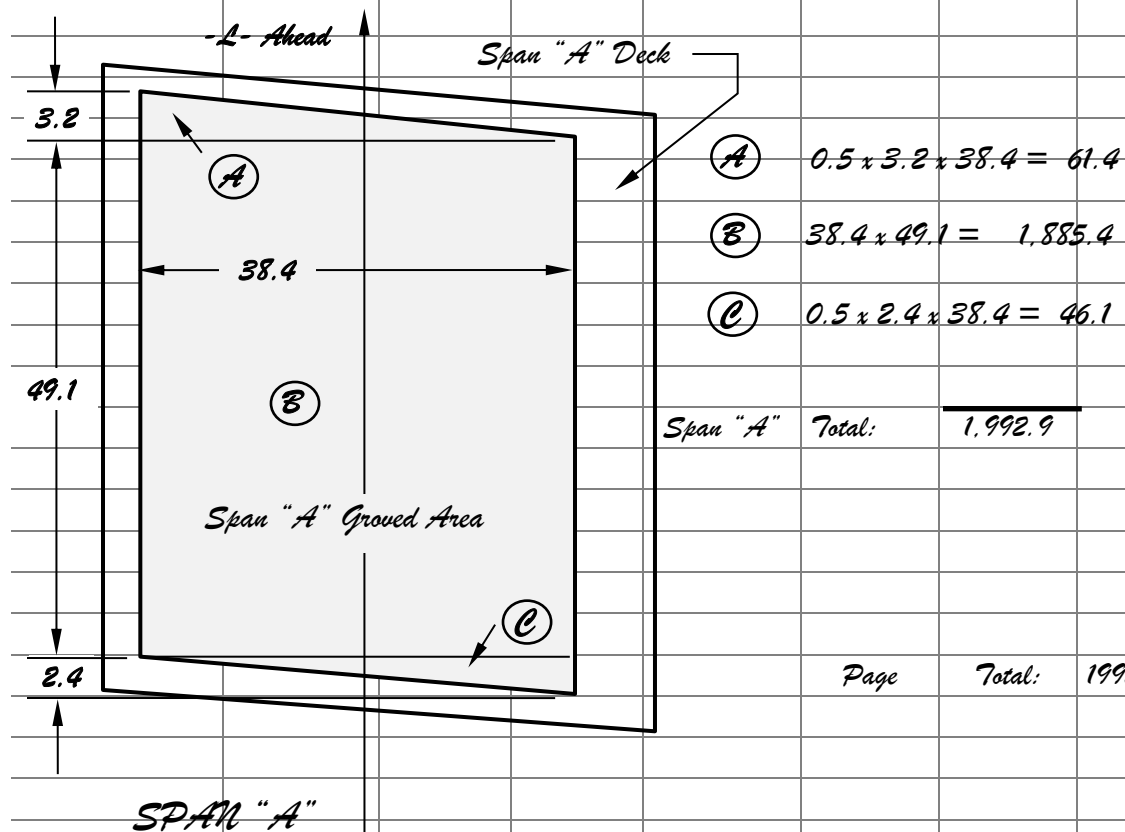
PAY RECORD BOOK ENTRY EXAMPLE

Line Code #284 Grooving Bridge Floors

6,220 SF @ \$ 0.65

8

Station	Rt./Lt.	Span	SF	Date	Initials	Remarks
103+35.85	Lt./Rt.	"A"	1992.9	9-23-98	DK7	Completed satisfactorily.



Span "A" Total: 1,992.9

Page Total: 1992.9 9-23-98 DK7

Checked By: ML7

Date: 6-19-99

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #289 Class "A" Concrete - Bridge

324CY @ \$296.50

59

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

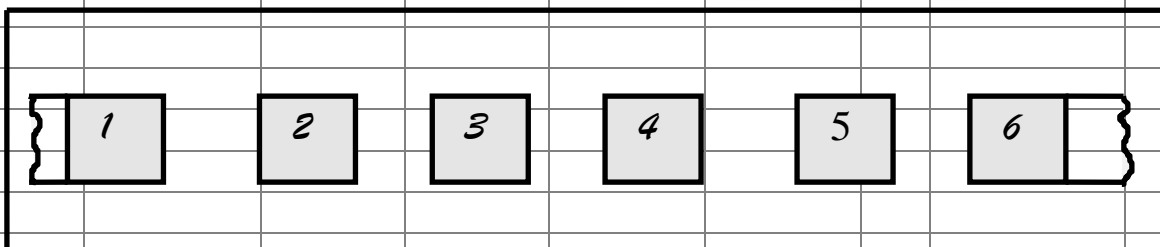
[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #301 24" Prestressed Concrete Piles

976 LF @ \$78.44

64



Bent #201 Station 125+76.34 - L-
Maximum penetration last 10 blows 1 1/2 "

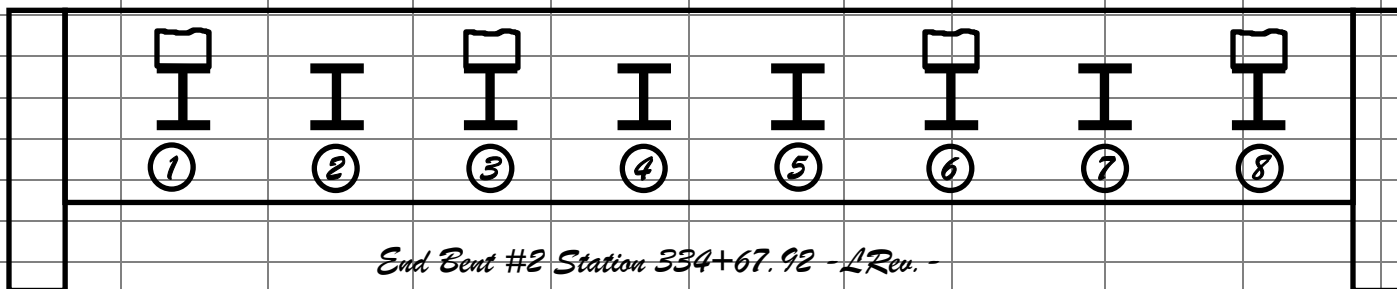
Pile No.	Order Length	Casting	Stroke Length	Cut-off	Pay Length	Pen. Last 10 Blows	Date	Initials	Remarks
1	76.0'	p-508-76	7.8	0.0'	76.0'	1 1/2 "	07-19-98	WLN	
2	76.0'	p-509-76	7.8	1.0'	75.0'	1 1/4 "	07-19-98	WLN	
3	76.0'	p-521-76	7.8	1.0'	75.0'	1 1/8 "	07-19-98	WLN	
4	76.0'	p-522-76	8.0	1.1'	74.9'	1-1 1/2 "	07-19-98	WLN	
5	76.0'	p-526-76	8.0	1.1'	74.9'	1 1/8 "	07-19-98	WLN	
6	76.0'	p-545-76	8.0	1.1'	74.9'	1 1/8 "	07-19-98	WLN	
			Page Total:		450.7 LF		07-19-98	WLN	
									Checked By: MLF
									Date: 6-19-99

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #303 HP 12x53 Steel Piles

835 LF @ \$28.35

68



- L - Ahead

End Bent #2 Station 334+67.92 - L Rev. -
Maximum penetration last 10 blows 2 1/2"

Pile No.	Original Length	Splice Length	Cut-Off Length	Pay Length	Pen. last 10 Blows	Heat Number	Date	Initials	Remarks
1	50.0'	0.0	1.8	48.2	1 1/4	37966	5-23-98	MCKJ	
2	50.0'	9.7	8.9	50.8	1 1/2	38456	5-23-98	MCKJ	35273 also
3	50.0'	8.8	4.8	54.0	1 <u>2</u>	37645	5-23-98	MCKJ	27161 also
4	50.0'	9.8	4.3	55.5	1 1/2	39723	5-23-98	MCKJ	29010 also
5	50.0'	8.7	7.3	51.4	1 1/4	39876	5-23-98	MCKJ	34569 also
6	50.0'	9.8	6.1	53.7	1 1/2	37987	5-23-98	MCKJ	27161 also
7	50.0'	8.6	1.5	57.1	2 1/2	39543	5-23-98	MCKJ	39887 also
8	50.0'	0.0	1.1	48.9	1 <u>2</u>	39564	5-23-98	MCKJ	
Page Total:					419.6 LF		5-23-98	MCKJ	
Checked By: MCKJ									
Date: 6-19-99									

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #305 1'-0" X 1'-6" Concrete Parapet Rail

3,600 LF @ \$ 109.00

80

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #308 4" Slope Protection

1,230 SY @ \$ 33.50

53

Station	Rt./Lt.			Stk	Date	Initials	Remarks
185+50-L-	Lt.			205.7	9-28-98	FNP	Under End Bent # 1-11-Gillian Road
<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>End Bent #1</p> <p>Diagram labels: A, B, C, D, E, 3.2, 68.6, 23.2, 5.4, 1.8, 3.2, -L- Ahead</p> </div> <div style="flex: 2;"> <p> $(A) \quad (68.6 + 1.8) \times 2.4 = 169.10$ $(B) \quad 0.5 \times 1.8 \times 23.2 = 20.88$ $(C) \quad 68.6 \times 23.2 = 1591.52$ $(D) \quad 0.5 \times 3.2 \times 23.2 = 37.12$ $(E) \quad 2 \times (3.0 \times 5.4) = 32.40$ </p> </div> </div>							
					Total:	1851.02	= 205.7 Stk
						9.0	
Page	Total:	205.7 Stk	9-28-98	FNP	Checked By: MLF		
					Date: 6-19-99		

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #310 Expansion Joint Seal

LS @ \$27,000.00

87

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #268 Culvert Excavation - Sta. 284+63.29 -L-

LS @ \$15,000.00

12

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

<i>Line Code #270 Class A Concrete, Culvert</i>				<i>894.5 CY @ \$374.50</i>				<i>17</i>	
<i>Station</i>	<i>Loc.</i>	<i>Lt./Rt.</i>	<i>Size</i>			<i>CY</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>183+55.72</i>	<i>- L Rev. -</i>	<i>Lt./Rt.</i>	<i>2-8x8</i>			<i>105.7</i>	<i>2-13-98</i>	<i>HK7</i>	<i>Floor Slab - Plan Quantity</i>
<i>183+55.72</i>	<i>- L Rev. -</i>	<i>Lt./Rt.</i>	<i>2-8x8</i>			<i>88.6</i>	<i>2-22-98</i>	<i>HK7</i>	<i>Center Vertical Wall - Plan Quantity</i>
<i>183+55.72</i>	<i>- L Rev. -</i>	<i>Lt./Rt.</i>	<i>2-8x8</i>			<i>235.6</i>	<i>2-23-98</i>	<i>HK7</i>	<i>2 - Exterior Walls - Plan Quantity</i>
<i>183+55.72</i>	<i>- L Rev. -</i>	<i>Lt./Rt.</i>	<i>2-8x8</i>			<i>115.6</i>	<i>3-7-98</i>	<i>DDG</i>	<i>Roof Slab - Plan Quantity</i>
<i>183+55.72</i>	<i>- L Rev. -</i>	<i>Lt.</i>	<i>2-8x8</i>			<i>25.4</i>	<i>3-10-98</i>	<i>DDG</i>	<i>Wing Walls - Plan Quantity</i>
<i>183+55.72</i>	<i>- L Rev. -</i>	<i>Rt.</i>	<i>2-8x8</i>			<i>25.4</i>	<i>3-11-98</i>	<i>DDG</i>	<i>Wing Walls - Plan Quantity</i>
									<i>Culvert Concrete Complete</i>
									<i>3-11-98</i>
				<i>Page</i>	<i>Total:</i>	<i>596.3 CY</i>	<i>4-2-98</i>	<i>MK7</i>	
									<i>Checked By: ML7</i>
									<i>Date: 6-19-99</i>

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #274 Removal of Existing Structure @ Sta. 185+23.11 -L- LS @ \$36,500.00

24

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #276 Foundation Excavation for Bent No. 2 @ Sta. 341+34.54 -L- LS @ \$2,500.00 28

Station	Loc.	Lt./Rt.			Complete	Amount	Date	Initials	Remarks
341+34.54	-L-	Lt.			100%	\$2,500.00	11-21-98	JFB	Note: Footing elevation was lowered 1.5' by K. J. Morris - Bridge Construction Engineer. No additional compensation per Section 410 of the Standard Specifications.
			Page &	Project	Total:	\$2,500.00	12-9-98	MLT	
					Note: Foundation Excavation can also be measured by Cross-section method. See Contract for proper payment method. See Unclassified Excavation or Borrow Excavation for examples of measurement and documentation.				
I certify that this item was completed 11-21-98 in accordance with the terms of the contract.									
Signed: <u>J. M. Resident, PE</u> Resident Engineer									
									Checked By: MLT
									Date: 7-8-99

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #280 3'-0" Diameter Drilled Piers in Rock

135 LF @ \$ 465.00

68

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #284 *Unclassified Structure Excavation*

337 CY @ \$ 22.58

30

Station	Rt./Lt.						Date	Initials	Remarks

Notes for Unclassified Structure Excavation:

1. Computations may be shown in Pay Record Books by using the XYZ Method for volume calculation when field measurements are taken. These calculations can also have deductions for pavement removal, if necessary.
2. Original cross-sections should be placed in the Pay Record Books when they are taken. Final cross-sections should be recorded in the Pay Record Books when they are calculated.
3. When cross-sections are taken, they may be calculated by the following procedures:
 - Plotted on cross-section sheets and volumes calculated using the average-end area method.
 - Computed by Photogrammetry with original aerial photogrammetric cross sections and theoretical final cross-sections provided by the Resident Engineer.
4. Plan quantities may be used to estimate the monthly quantities for partial payment estimates. These computations should be clearly documented in an Estimate Work Book and verified with the Structure Contractor or Subcontractor on a daily basis for unclassified structure excavation operations. It is recommended to be conservative in estimating the amount for payment each period until the final quantities are calculated.
5. Specific pay limits for this item are included in the Structure Plans.

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #285

Reinforced Concrete Deck Slab

27,660 SF @ \$14.24

52

[illegible]

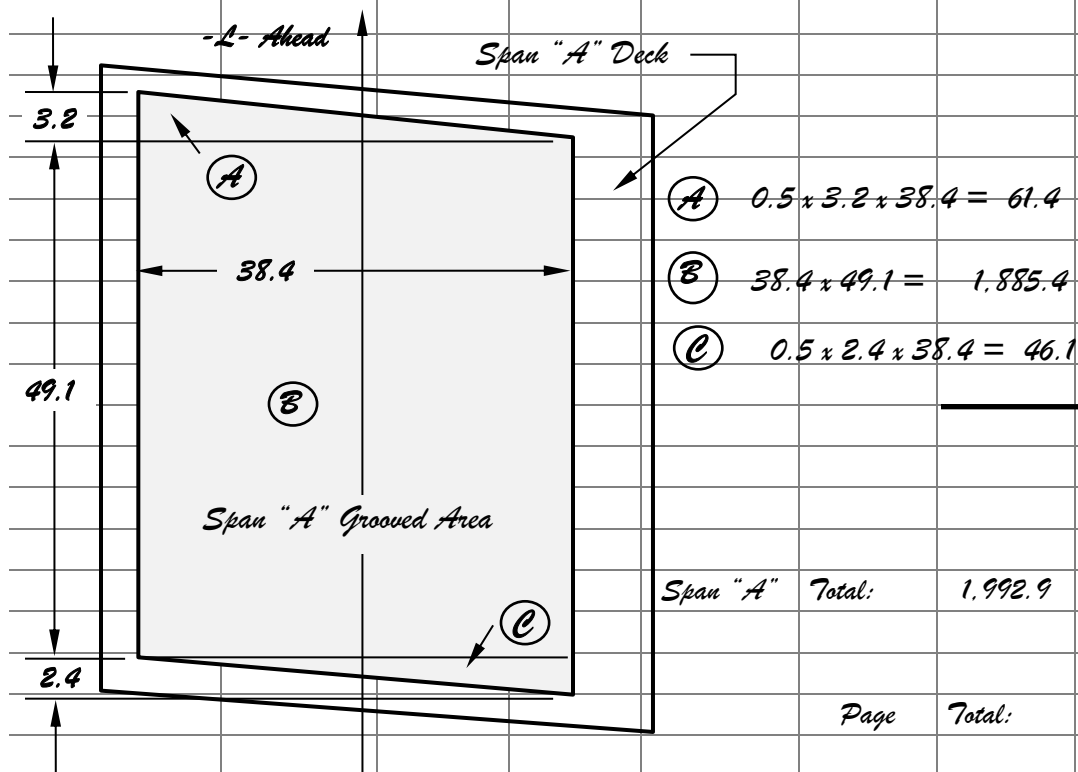
PAY RECORD BOOK ENTRY EXAMPLE

Line Code #284 Grooving Bridge Floors

6,220 SF @ \$ 0.65

38

Station	Rt./Lt.	Span	SF	Date	Initials	Remarks
103+35.85	Lt./Rt.	"A"	1992.9	DK7	9-23-98	Completed satisfactorily.



Span "A" Total: 1,992.9

Page Total: 1992.9 DK7 9-23-98

SPAN "A"

Checked By: ML7
Date: 6-19-99

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #284 Spiral Column Reinforcing Steel

9,814 Lb. @ \$3.10

49

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

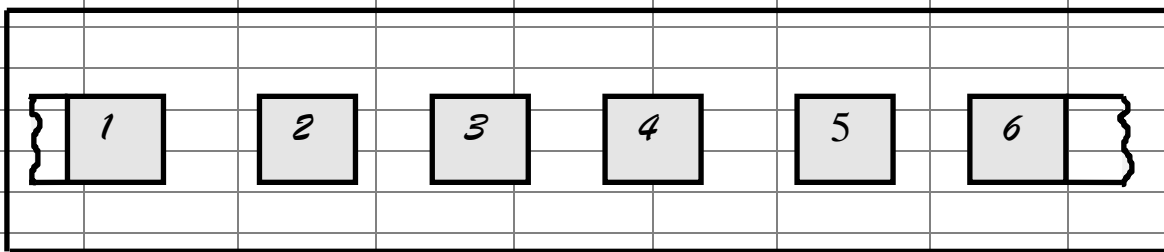
[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #301 24" Prestressed Concrete Piles

976 L7 @ \$78.44

64



Bent #201 Station 123+76.34 - L-

Required Bearing: 125 Tons; Pile Cut-off Elev. +11.321

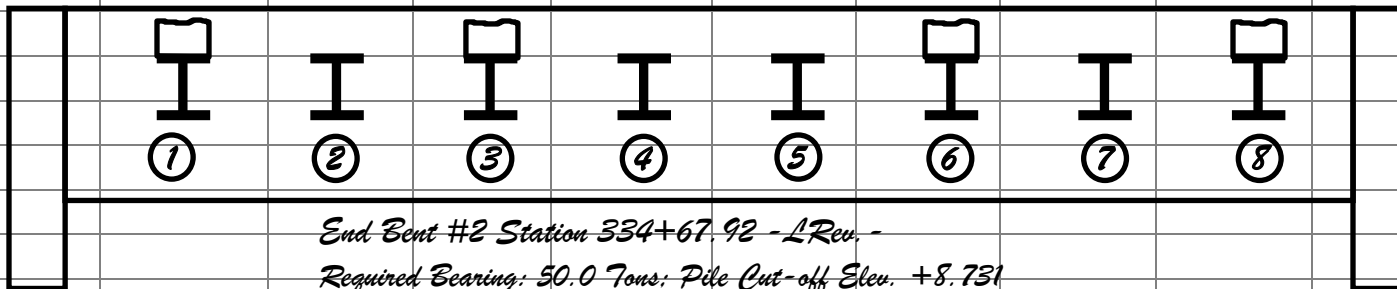
Pile No.	Order	Casting	Stroke	Cut-off	Pay	Pen. Last	Bearing	Date	Initials	Remarks
	Length		Length		Length	10 Blows				
1	76.0'	p-508-76	7.8	0.0'	76.0'	1 1/2"	191.4	07-19-98	WLN	
2	76.0'	p-509-76	7.8	1.0'	75.0'	1 1/4"	217.3	07-19-98	WLN	
3	76.0'	p-521-76	7.8	1.0'	75.0'	1 1/8"	233.2	07-19-98	WLN	
4	76.0'	p-522-76	8.0	1.1'	74.9'	1-1 1/2"	129.6	07-19-98	WLN	
5	76.0'	p-526-76	8.0	1.1'	74.9'	1 1/8"	233.2	07-19-98	WLN	
6	76.0'	p-545-76	8.0	1.1'	74.9'	1 1/8"	233.2	07-19-98	WLN	
Page Total:					450.7	L7		07-19-98	WLN	
Checked By: ML7										
Date: 6-19-99										

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #303 HP 12x53 Steel Piles

835 L7 @ \$28.35

68



End Bent #2 Station 334+67.92 - L Rev. -
Required Bearing: 50.0 Tons; Pile Cut-off Elev. +8.731

	<i>Original</i>	<i>Splice</i>	<i>Cut-Off</i>	<i>Pay</i>	<i>Pen. last</i>	<i>Bearing</i>				
<i>Pile No.</i>	<i>Length</i>	<i>Length</i>	<i>Length</i>	<i>Length</i>	<i>10 Blows</i>	<i>Tons</i>	<i>Number</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
1	50.0'	0.0	1.8	48.2	1¼	76.9	37966	5-23-98	MCKJ	
2	50.0'	9.7	8.9	50.8	1½	69.4	38456	5-23-98	MCKJ	35273 also
3	50.0'	8.8	4.8	54.0	1 <u>2</u>	73.0	37645	5-23-98	MCKJ	27161 also
4	50.0'	9.8	4.3	55.5	1½	69.4	39723	5-23-98	MCKJ	29010 also
5	50.0'	8.7	7.3	51.4	1¼	76.9	39876	5-23-98	MCKJ	34569 also
6	50.0'	9.8	6.1	53.7	1½	69.4	37987	5-23-98	MCKJ	27161 also
7	50.0'	8.6	1.5	57.1	2½	50.0	39543	5-23-98	MCKJ	39887 also
8	50.0'	0.0	1.1	48.9	1 <u>2</u>	73.0	39564	5-23-98	MCKJ	
		Page	Total:	419.6 LF				5-23-98	MCKJ	
										Checked By: ML7
										Date: 6-19-99

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #305 1'-0" X 1'-6" Concrete Parapet Rail

3,600 LF @ \$ 109.00

80

[illegible]

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #308 4" Slope Protection

1,230 SY @ \$ 33.50

53

Station	Rt./Lt.				Stk	Date	Initials	Remarks
185+50-L-	Lt.				205.7	9-28-98	FNP	Under End Bent # 1-Y1-Gillian Road
<div><div><div>End Bent #1</div><div><div><div><div><div><div>1.8</div><div>68.6</div><div>3.2</div><div>3.2</div></div><div><div>23.2</div><div>5.4</div></div></div><div><div><div>(A)</div><div>(B)</div><div>(C)</div><div>(D)</div><div>(E)</div></div><div>Slope Protection</div></div></div><div><div><div>(A)</div><div>(B)</div><div>(C)</div><div>(D)</div><div>(E)</div></div><div><div><div>$(68.6 + 1.8) \times 2.4 = 169.10$</div><div>$0.5 \times 1.8 \times 23.2 = 20.88$</div><div>$68.6 \times 23.2 = 1591.52$</div><div>$0.5 \times 3.2 \times 23.2 = 37.12$</div><div>$2 \times (3.0 \times 5.4) = 32.40$</div></div><div><div>Total:</div><div>1851.02</div><div>= 205.7 Stk</div><div>9.0</div></div></div></div></div><div><div>Page</div><div>Total:</div><div>205.7 Stk</div><div>9-28-98</div><div>FNP</div></div><div><div>Checked By: MLF</div><div>Date: 6-19-99</div></div></div></div></div>								

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #310 Expansion Joint Seal

LS @ \$27,000.00

87

[illegible]

**ADDITIONAL CONTRACT ITEM
EXAMPLES**

PAY RECORD BOOK ENTRY EXAMPLE

Line Code #124 Supplemental Field Surveying

0 Hrs. @ \$100.00

12

Line Code #125 Supp. Surveying Office Calculations

0 Hrs. @ \$50.00

			#124	#125			
<i>Station</i>	<i>Loc.</i>	<i>Description</i>	<i>Hours</i>	<i>Hours</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
9+50+/-	-Y3- Rt.	Sanitary Sewer Conflict		2.5	2-1-07	JKR	Computed line and grade for relocated Sanitary Sewer
			2.0		2-3-07	JKR	Staked Same
145+00+/-	-L- Lt.	Staked additional Pile Panel Wall	6.0		10-6-07	JFB	Staked line and grade for added PPW.
161+30+/-	-L- Lt.	Staked additional Pile Panel Wall	6.2		10-7-07	JFB	Staked line and grade for added PPW.
10+45+/-	-Y1- Rt.	Staked additional for hydrant.	4.4	0.8	11-9-07	JK7	Computed and staked line and grade for additional water line added by the Town of Ludwig.
		Page & Project Totals:	18.6	3.3	12-3-07	MKT	
							Checked By: ML7
							Date: 12-4-07

PAY RECORD BOOK ENTRY EXAMPLE

[illegible]

SUMMARY EXAMPLES

PARTIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

*Line Code #110 Seeding & Mulching**23.5 Acres @ \$1,930.00**56**PRB #12 Summary For Line Code #110 - Seeding and Mulching*

<i>PRB #</i>	<i>Page #</i>	<i>Quantity</i>	<i>PRB #</i>	<i>Page #</i>	<i>Quantity</i>
12	40	2,403.0	12	54	17,402.0
12	41	42,356.0	12	55	2,349.0
12	42	13,675.0	12	56	3,841.0
12	43	1,367.0	12	57	5,672.0
12	44	44,678.0	12	58	9,836.0
12	45	23,456.0	12	59	59,245.0
12	46	33,789.0	12	60	34,816.0
12	47	3,456.0	12	61	4,925.0
12	48	1,704.0	12	62	32,484.0
12	49	8,796.0	12	63	26,025.0
12	50	11,098.0	12	64	3,451.0
12	51	3,489.0	12	65	805.0
12	52	4,562.0	12	66	2,349.0
12	53	7,890.0			

*PRB 12 Total: 405,919.0**S7**8-12-07 MK7*

Carry total Square Feet to Project
Summary and convert to Acres.

Note: Pay Record Books should be summarized individually as shown. A Project
Summary should be created listing each Pay Record Book total for the

*Checked By: ML7**Date: 8-19-07*

PARTIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

<i>Line Code #110 Seeding & Mulching</i>	<i>23.5 Acres @ \$1,900.00</i>						<i>57</i>
<i>Project Summary For Line Code # 110 - Seeding & Mulching</i>							
<i>PRB #</i>	<i>Page #</i>	<i>Quantity</i>					
12	82	405,919.0					
14	67	193,458.0					
15	89	316,391.0					
19	43	89,456.0					
21	77	144,678.0					
24	88	221,456.0					
<i>Project Total:</i>		1,371,358.0	<i>SF</i>			8-19-07	<i>MCR7</i>
		1,371,358.0	<i>SF</i>	= 31.482	<i>Acres</i>	8-19-07	<i>MCR7</i>
		43,560	<i>SF/Acre</i>				
Carry total Square Feet to Project Summary and convert to Acres.							
Note: A Project Summary should be created listing each Pay Record Book total. Items entered only on one page in one Pay Record Book for the project do not require a separate Pay Record Book Summary or Project Summary. The page total should be labeled as "Page and Project Total."							
Checked By: <i>MLT</i>							
Date: 9-19-07							

PARTIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

Line Code #5 *Unclassified Excavation*

39,436 CY @ \$ 8.25

79

PRB Summary For Line Code # 4 - Unclassified Excavation

<i>PRB #</i>	<i>Page #</i>	<i>Quantity</i>
1	45	2,456.7
3	33	1,342.9
5	18	876.4
6	67	1,137.6

PRB Total: 5,813.6 CY 8-19-07 MK7

— Carry total Cubic Yards to **Summary of Quantities and Cross Reference**,
— total all quantities and round.

Note: A general Pay Record Book Summary should be created for each item that has multiple sources for payment. In this example, Unclassified Excavation includes payment from several sources such as Pay Record Books, Unclassified Excavation Sheets, Computer Earthwork Printout Summary Sheets, etc. The quantity from each source for these items is typically listed on the **Summary of Quantities and Cross Reference** included in the Final Estimate Assembly.

Checked By: ML7

Date: 11-3-07

**ESTIMATE WORK BOOK
EXAMPLES**

PARTIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

Contract Number - Required For HiCAMS	C123456	N. C. DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
Estimate Work Book Number Clearly Labeled		ESTIMATE WORK BOOK # 1
Transportation Improvement Plan (TIP) Number(s)	R-1234A	LEVEL BOOK
Project Work Order Number(s), County, Description, Estimate Work Book, and Total Number of Estimate Work Books Clearly Labeled		PROJECT NO <u>3.4567.3.1</u> <u>PEAVEY</u> COUNTY NC 38 FROM I-43 TO HOPE CREEK
Estimate Work Book Number Clearly Labeled	EWB #1	BOOK NO <u>1</u> OF <u>4</u>

Contract Number - Required For HiCAMS

LEVEL BOOK

C123456

Project Work Order Number(s),
County, Description, Estimate Work Book,
and Total Number of Estimate Work
Books Clearly Labeled

PROJECT NO 3.4567.3.1

PEAVEY COUNTY

NC 38 FROM I-43 TO HOPE CREEK

BOOK NO 1 OF 4

INDEX

ESTIMATE WORK BOOK ENTRY EXAMPLE

[illegible]

PERSONNEL PAGE

ESTIMATE WORK BOOK ENTRY EXAMPLE

PERSONNEL

3

[illegible]

ROADWAY EXAMPLES

ESTIMATE WORK BOOK ENTRY EXAMPLE

[illegible]

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code #3 Clearing and Grubbing			LS @ \$125,000.00		7	
Lump Sum %		Amount	Date	Initials	Remarks	
40%		\$50,000.00	1-15-07	RCS	Phase I - -L- Rt. Pd. Est. #1	
40%		\$50,000.00	9-15-07	RCS	Phase II -L- Lt. Pd. Est. #9	
20%		\$25,000.00	11-15-07	RCS	Phase III -L- Service Road Pd. Est. #11	
	Project Total:	\$125,000.00	12-2-07	TWR		
<p>Void Entry - UCB 12-21-07 Transferred to PRB #1, Page 14</p>						
<p>Note: Percentages for payment are determined by the Engineer for each payment estimate period. Refer to Contract Special Provisions if applicable.</p>						

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line code # 32 Fine Grading				LS @ \$50,000.00				9	
	% Complete		% Paid		Amount Paid		Date	Initials	Remarks
	5.0%		5.0%		\$2,500.00		6-30-05	JKL	Mobilized 6-12-98 -L- Subgrade
	10.0%		5.0%		\$2,500.00		7-31-05	JKL	-L- Rt. Subgrade
	35.0%		25.0%		\$12,500.00		8-31-05	JKL	-L- Lt. Stabilized Subgrade
	55.0%		20.0%		\$10,000.00		9-30-05	HJK	-L- Lt. Stabilized Subgrade
	70.0%		15.0%		\$7,500.00		10-31-05	HJK	-L- Rt. Stabilized Subgrade
	80.0%		10.0%		\$5,000.00		11-30-05	HJK	-L- Rt. Stabilized Subgrade
	90.0%		10.0%		\$5,000.00		4-30-06	TYP	Pulled off Project 11-15-98 -Y1, Y2, Y3 and Service Road "A"
	100%		10.0%		\$5,000.00		5-31-06	DGH	All fine grading complete this estimate.
					\$50,000.00		6-2-06	MKT	

VOID Entry - MKT 8-12-06

Transferred to PRB #4, Page 23

VOID Entry - MKT 8-12-06
Transferred to PRB #4, Page 23

Note: Percentages for payment are determined by the Engineer for each payment estimate period. Refer to Contract Special Provisions if applicable.

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code # 2 Construction Surveying			LS @ \$150,000.00		10		
% Complete	% Paid		Amount Paid		Date	Initials	Remarks
5.0	5.0		\$7,500.00		4-30-07	HR7	
25.0	20.0		\$30,000.00		5-31-07	IFB	
25.0	0.0		\$0.00		6-30-07	HR7	No work on project this period.
65.0	40.0		\$60,000.00		7-31-07	MCR7	
90.0	25.0		\$37,500.00		8-31-07	MCR7	
100.0	10.0		\$15,000.00		9-30-07	MCR7	
	Project	Total:	\$150,000.00		8-2-98	MCR7	
<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="transform: rotate(-45deg); transform-origin: left bottom; white-space: nowrap;"> VOID Entry - JMC 11-10-06 Transferred to PRB #1, Page 55 </div> <div> <p>Note: Percentages for payment are determined by the Engineer for each payment estimate period. Refer to Contract Special Provisions if applicable.</p> </div> </div>							

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code #12 Comprehensive Grading

LS @ \$85,000.00

11

	%		%		Amount		Date	Initials	Remarks
	Complete		Paid		Paid				
	5.0%		5.0%		\$4,250.00		4-30-06	MKT	Mobilized 4-15-06 - L-
	20.0%		15.0%		\$12,750.00		5-31-06	JFB	- L- Sta. 230+00 to 290+00 Rt.
	35.0%		15.0%		\$12,750.00		6-30-06	MKT	- L- Sta. 235+00 to 310+00 Lt.
	50.0%		15.0%		\$12,750.00		7-31-06	MKT	- L- Sta. 290+00 to 360+00 Lt./Rt.
	75.0%		25.0%		\$21,250.00		8-31-06	MKT	- L- 360+00 to end project, 1/4, 1/2, & 3/4 Rough Grading complete
	90.0%		15.0%		\$12,750.00		9-30-06	MKT	Shoulder work, Borrow for 1/3, 1/5, 1/6
	100.0%		10.0%		\$8,500.00		10-31-06	JHY	All grading complete this estimate period.
			Project	Total: \$	85,000.00		11-2-06	MKT	

VOID Entry - MKT 8-21-07
Transferred to PRB #4, Page 23

ESTIMATE WORK BOOK ENTRY EXAMPLE

[illegible]

VOID Entry - MKT 2-3-07
Transferred to PRB #1, 2-13-07

Note: Percentages for payment are determined by the 2006 Standard Specifications.
See Section 1412.

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code #194 Lighting Assembly for Overhead Sign Assembly "B"

LS @ \$5,725.00

42

<i>Station</i>	<i>Structure</i>		<i>Section</i>		<i>Amount</i>		<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>130+10</i>	<i>Cantilever</i>		<i>Footing</i>		<i>\$8,000.00</i>		<i>7-29-06</i>	<i>AVF</i>	<i>Footing poured</i>
<i>130+10</i>	<i>Cantilever</i>		<i>Structure</i>		<i>\$18,000.00</i>		<i>9-29-06</i>	<i>AVF</i>	<i>Structure set</i>
<i>130+10</i>	<i>Cantilever</i>		<i>Signs</i>		<i>\$2,000.00</i>		<i>10-29-06</i>	<i>AVF</i>	<i>Signs set</i>
<i>130+10</i>	<i>Cantilever</i>				<i>\$4,545.00</i>		<i>12-29-06</i>	<i>AVF</i>	<i>Completed</i>

VOID Entry - SBT 1-5-07
Tranferred to PRB #1, Page 41

			<i>Page Total:</i>		<i>\$32,545.00</i>		<i>1-5-07</i>	<i>SBT</i>	

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code # 150 Changeable Message Signs

EA. @ \$22,000.00

45

		Delivered to Project (0.5 Ea.)	Placed in Oper. (0.2 Ea.)	Project 50% Complete (0.2 Ea.)	Project 100% Complete (0.1 Ea.)	Total Paid	Date	Initials	Remarks
<i>CMS</i> <i>Operating</i>	<i>Estimate</i> <i>Number</i>								
1	2	0.5	0.2			0.7	5-31-05	THK	Delivered to project and placed in service.
2	2	0.5	0.2			0.7	5-31-05	THK	Delivered to project and placed in service.
1	12			0.2		0.2	3-31-06	JLT	Project 50% complete.
2	12			0.2		0.2	3-31-06	JLT	Project 50% complete.
3	14	0.5		0.2		0.7	5-31-06	JLT	Delivered to project, project 50% complete.
3	15		.2			0.2	6-30-06	JLT	Placed in service. Total in use = 3
1	26				0.1	0.1	5-31-07	WHD	Project 100% complete.
2	26				0.1	0.1	5-31-07	WHD	Project 100% complete.
3	26				0.1	0.1	5-31-07	WHD	Project 100% complete.
				Project Total:		3.0 Ea.	6-3-07	MKT	

VOID Entry - MKT 6-3-07
Transferred to PRB #1, Page 75

Note: Percentages for payment are determined by the 2006 Standard Specifications. See Section 1125.

The Contractor is only paid for the total quantity of CMS in place and operating at any one time during the life of the project. In this example, the Contractor has placed 3 CMS in operation at the same time.

When you have more than 2 CMS operating concurrently, you may create a separate page in the EWB for each sign. This is less confusing and decreases the probability of an incorrect estimate payment.

STRUCTURE EXAMPLES

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code #322 Removal of Existing Structure @ Sta. 185+23.11-1= LS @ \$36,500.00 50

<i>Station</i>	<i>Lt./Rt.</i>	<i>% Complete</i>	<i>% Pay</i>	<i>Amount</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
<i>185+23.11-L-</i>	<i>Rt.</i>	<i>50%</i>	<i>50%</i>	<i>\$18,250.00</i>	<i>6-7-06</i>	<i>JHY</i>	<i>Phase I removal</i>
<i>185+23.11-L-</i>	<i>Rt.</i>	<i>50%</i>	<i>100%</i>	<i>\$18,250.00</i>	<i>10-21-06</i>	<i>JHY</i>	<i>Phase II removal</i>
			<i>Project Total:</i>	<i>\$36,500.00</i>	<i>11-4-06</i>	<i>TWR</i>	

VOID Entry - TWR 11-10-06
 Tranferred to PRB #1, Page 67

VOID Entry - TWR 11-10-06
Transferred to PRB #1, Page 67

ESTIMATE WORK BOOK ENTRY EXAMPLE

[illegible]

Note: Percentages for payment are determined by the Engineer for each payment estimate period. Refer to Contract Special Provisions if applicable.

VOID Entry - MKT 3-12-07
Transferred to PRB #1, page 49

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code #275 Foundation Excavation for Bent #2 @ Sta. 341+34.54 -L- LS @ \$2,500.00

65

Station	Loc.	Lt./Rt.	% Complete	% Pay	Amount	Date	Initials	Remarks
341+34.54	-L-	Lt.	60%	60%	\$1,500.00	6-23-07	MKT	Phase I - Footings # 1, 2 and 3
341+34.54	-L-	Rt.	100%	40%	\$1,000.00	11-21-07	JFB	Phase II - Footings # 4 and 5
								Note: Footing elevation was
								lowered 1.5'
								By K. J. Morris Area Bridge
								Engineer
								No additional compensation per
								Section 410
								of the Standard Specifications.
			Project	Total:	\$2,500.00	12-9-07	MKT	

VOID Entry - MKT 12-9-07
Transferred to PRB #1, Page 73

ESTIMATE WORK BOOK ENTRY EXAMPLE

Line Code #261 Culvert Excavation - Sta. 284+63.29 - L-

LS @ \$15,000.00

75

[illegible]

PATIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

Line Code #130 Expansion Joint Seal

LS @ \$27,000.00

79

Station	Location	% LS	Amount	Date	Initials	Remarks
103+23.33	-41-	50%	\$13,500.00	6-06-06	WLN	Bent #17
103+73.88	-41-	50%	\$13,500.00	7-14-06	WLN	Bent #16
		Project Total:	\$27,000.00	8-15-07	FRW	

VOID Entry - FRW 8-31-07
 Transferred to PRB #1, Page 45

VOID Entry - FRW 8-31-07
Transferred to PRB #1, Page 45

PATIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

PARTIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLES

Contract Number - Required For HiCAMS

N. C. DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

Partial Payment Cross-Reference,
Book Number, and Line Codes
Contained Clearly Labeled

**PARTIAL PAYMENT
CROSS-REFERENCE BOOK # 1**

Transportation Improvement Plan
(TIP) Number(s)

LEVEL BOOK

Project Work Order Number(s), County,
Description, Partial Payment Cross-
Reference Book Number, and Total
Number of Cross-Reference Books Clearly

PROJECT NO 3.4567.3.1

PEAVEY COUNTY

NC 38 FROM I-43 TO HOPE CREEK

Partial Payment Cross-Reference Book
Number Clearly Labeled

BOOK NO _____ OF _____

PATIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

[illegible]

PATIAL PAYMENT CROSS-REFERENCE SYSTEM EXAMPLE

<i>Line Code #20 Drainage Ditch Excavation</i>				<i>2,430 CY @ \$4.85</i>			<i>20</i>	
<i>Estimate No.</i>	<i>Source</i>	<i>Amount</i>	<i>To Date</i>	<i>ORNR</i>	<i>To Date</i>	<i>Date</i>	<i>Initials</i>	<i>Remarks</i>
2	PRB #2, Pages 23-36	389.6	389.6	45.0	45.0	2-15-06	MKT	
3	PRB #2, Pages 37-48							
	ENB #2, Page 18	827.5	1217.1	143.0	188.0	3-15-06	MKT	Estimated - Plan Quantity
5	PRB #2, Pages. 49, 53-58	237.6	1454.7	144.0	332.0	5-15-06	MKT	
7	PRB #4, Pages 10-17	285.7	1740.4	(28.0)	304.0	7-15-06	MKT	
8	ENB #2, Pages 24-26	830.0	2570.4	-0-	304.0	8-15-06	CDC	Estimated - Will be Plotted
10	PRB #8, Pages. 34-42	302.4	2872.8	105.0	409.0	10-15-06	CDC	
12	ENB #2, Page 18							
	ENB #2, Pages 24-26	(123.1)	2749.7	(23.1)	385.9	12-15-06	MKT	Adjusted estimated quantity.
15	PRB #8, Pages. 43-48	203.5	2953.2	137.3	523.2	3-15-07	MKT	
16		(0.2)	2953	(0.2)	523	4-15-07	MKT	Adjusted for Final Est.